

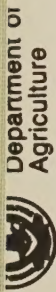
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1990





Department of  
Agriculture

Soil  
Conservation  
Service

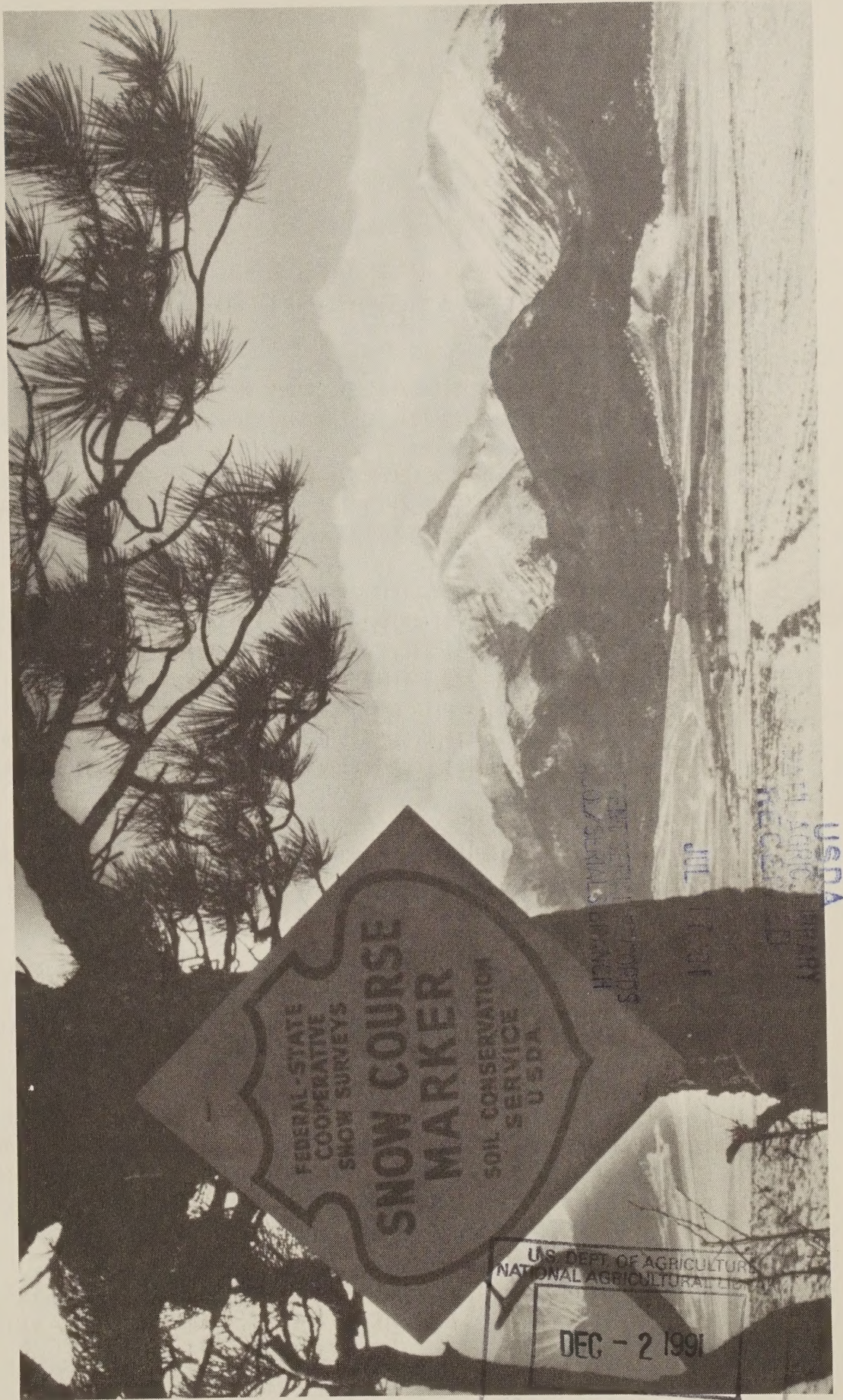
Spokane,  
Washington



Washington

# Annual Data Summary

Water Year 1990



# Foreword

## An Annual Summary

This report summarizes the snow water equivalent and precipitation data collected during this water year. This information was utilized in preparing the Soil Conservation Service Water Supply Outlook Reports, January 1st through June 1st.

These data were obtained using a combination of manual and automated measurement methods and are presented as a historical summary.

## For More Information

Copies of this Annual Data Summary and Monthly Water Supply Outlook Reports may be obtained from the states listed below. Historical snow survey data may be obtained at those same offices. Computer access to water supply information may be gained through the Centralized Forecast System (CFS) at Portland, Oregon. For more information contact the state offices listed below.

| STATE      | ADDRESS  |
|------------|--|
| Alaska     | 201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687                       |
| Arizona    | 201 East Indianola, Suite 200, Phoenix, AZ 85012                             |
| Colorado   | 655 Parfet Street, Room E200C, Lakewood, CO 80215-5517                       |
| Idaho      | 3244 Elder Street, Room 124, Boise, ID 83705-4711                            |
| Montana    | 10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715               |
| Nevada     | 1201 Terminal Way, Room 219, Reno, NV 89502                                  |
| New Mexico | 517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157                    |
| Oregon     | 1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204                       |
| Utah       | Federal Building Room 4402, 125 South State Street, Salt Lake City, UT 84147 |
| Washington | W. 316 Boone Avenue, Suite 450, Spokane, WA 99201-2348                       |
| Wyoming    | Federal Building, 100 East "B" Street, Casper, WY 82601                      |

## Other Sources

Annual and historical information is prepared by other agencies including: NOAA - State Climatological Annual Summaries, N.C.D.C., Asheville, NC 28801; California - Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia - The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory - Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta Environment Technical Services Division, 9820 106th St., Edmonton, Alberta, T5K 2J6.

# Washington Cooperative Snow Survey Data of

## Federal - State - Private Cooperative Snow Surveys

### Issued by

William "Bill" Richards  
Chief  
Soil Conservation Service  
Washington, D.C.

### Released by

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25. The following are the names of the members of the committee:

26. The following are the names of the members of the committee:

# SNOW COURSE DATA - WY 1990 (DEPTH & SWE in inches)

| SNOW COURSE NAME   | ELEV.<br>(ft.) | JANUARY |       |     | FEBRUARY |       |      | MARCH |       |      | APRIL |       |      | MAY  |       |      | JUNE |       |     |
|--------------------|----------------|---------|-------|-----|----------|-------|------|-------|-------|------|-------|-------|------|------|-------|------|------|-------|-----|
|                    |                | DATE    | DEPTH | SWE | DATE     | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE | DEPTH | SWE  | DATE | DEPTH | SWE |
| AHTANUM R.S.       | 3100           | 12/28   | 0     | .0  | 1/29     | 18    | 2.8  | 2/27  | 15    | 4.7  | 3/29  | 5     | 2.8  |      |       |      |      |       |     |
| ALPINE MEADOWS     | 3500           |         |       |     |          |       |      | 2/26  | 104   | 48.5 | 3/27  | 112   | 57.0 |      |       |      |      |       |     |
| BAIRD              | 3220           |         |       |     |          |       |      | 2/27  | 27    | 7.6  |       |       |      |      |       |      |      |       |     |
| BAIRD #2           | 3220           |         |       |     | 1/31     | 24    | 4.5  |       |       |      | 3/29  | 17    | 6.2  |      |       |      |      |       |     |
| BEAVER CREEK TRAIL | 2200           |         |       |     | 2/2      | 47    | 8.3  | 2/28  | 40    | 12.4 | 3/28  | 30    | 11.8 | 0    | 4/30  | .0   |      |       |     |
| BEAVER PASS        | 3680           |         |       |     | 2/4      | 71    | 16.1 | 2/28  | 74    | 26.2 | 3/28  | 71    | 29.4 | 46   | 5/1   | 21.5 |      |       |     |
| BEEHIVE SPRINGS    | 4400           |         |       |     |          |       |      |       |       |      | Est   | -     | 7.5  |      |       |      |      |       |     |
| BERNE-MILL CREEK   | 3170           | Est     | -     | 4.2 | 1/31     | 83    | 21.4 | 2/26  | 80    | 31.6 | 3/30  | 74    | 30.7 | 53   | 4/27  | 22.8 |      |       |     |
| BIG BOULDER CREEK  | 3200           | 12/28   | 7     | 2.4 | Est      | -     | 12.8 | 2/27  | 66    | 22.2 | 3/28  | 52    | 23.2 |      |       |      |      |       |     |
|                    |                |         |       |     |          |       |      | 3/13  | 68    | 24.1 | 4/12  | 34    | 15.2 |      |       |      |      |       |     |
| BLEWETT PASS #2    | 4270           |         |       |     | 2/1      | 56    | 13.0 | 3/26  | 38    | 16.3 | 3/26  | 38    | 16.3 |      |       |      |      |       |     |
| BOYER MOUNTAIN     | 5250           |         |       |     |          |       |      | 2/27  | 64    | 20.8 | 3/29  | 60    | 23.4 | 31   | 4/25  | 13.2 |      |       |     |
| BRIEF              | 1600           |         |       |     | 1/31     | 21    | 4.2  | 2/27  | 16    | 5.1  | 4/1   | 0     | .0   |      |       |      |      |       |     |
| BROWN TOP AM       | 6000           |         |       |     | 2/4      | 151   | 41.6 | 2/28  | 156   | 56.0 | 3/27  | 149   | 61.2 | 115  | 4/30  | 56.4 |      |       |     |
| BUMPING LAKE       | 3450           | 12/28   | 0     | .0  | 1/31     | 47    | 9.5  | 2/27  | 41    | 13.9 | 3/28  | 32    | 13.8 | 3    | 4/30  | 1.5  |      |       |     |
|                    |                |         |       |     |          |       |      | 3/13  | 41    | 15.0 | 4/13  | 16    | 7.5  |      |       |      |      |       |     |
| BUMPING LAKE (NEW) | 3400           | 12/28   | 0     | .0  | 1/31     | 55    | 11.3 | 2/27  | 50    | 17.0 | 3/28  | 42    | 18.0 | 6    | 4/30  | 3.0  |      |       |     |
|                    |                |         |       |     |          |       |      | 3/13  | 50    | 19.0 | 4/13  | 23    | 11.2 |      |       |      |      |       |     |
| BUNCHGRASS MEADOWS | 5000           | Est     | -     | 8.0 | Est      | -     | 20.0 | 2/27  | 75    | 25.8 | 3/29  | 67    | 27.6 | 38   | 4/25  | 16.2 | Est  | -     | 3.2 |
| BUTTE CREEK        | 4070           |         |       |     | 2/2      | 19    | 3.3  | 2/27  | 21    | 5.3  | 3/29  | 16    | 5.0  |      |       |      |      |       |     |
| CARROL PASS        | 3650           | 12/30   | 0     | .0  | 1/28     | 40    | 8.0  | 2/27  | 90    | 30.5 | 4/3   | 77    | 31.6 | 36   | 5/3   | 17.5 |      |       |     |
| CAYUSE PASS        | 5300           |         |       |     | Est      | -     | 43.3 | 2/27  | 171   | 65.2 | 3/31  | 168   | 77.8 | 155  | 5/1   | 72.1 |      |       |     |
| CHEWALAH           | 4930           |         |       |     | 2/2      | 42    | 10.4 | 2/26  | 48    | 14.9 | Est   | -     | 14.2 |      |       |      |      |       |     |



# SNOW COURSE DATA - WY 1990 (DEPTH & SWE in inches)

| SNOW COURSE NAME    | ELEV.<br>(ft.) | JANUARY |       |     | FEBRUARY |       |      | MARCH |       |      | APRIL |       |      | MAY  |       |      | JUNE |       |     |
|---------------------|----------------|---------|-------|-----|----------|-------|------|-------|-------|------|-------|-------|------|------|-------|------|------|-------|-----|
|                     |                | DATE    | DEPTH | SWE | DATE     | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE | DEPTH | SWE  | DATE | DEPTH | SWE |
| CHEWALAH #2         | 4930           |         |       |     |          |       |      |       |       |      | 3/29  | 42    | 15.6 |      |       |      |      |       |     |
| CHIWAUKUM G.S.      | 2500           | Est     | -     | 1.2 | 1/29     | 31    | 6.5  | 2/26  | 34    | 9.3  | 3/30  | 22    | 8.4  | 4/27 | 0     | .0   |      |       |     |
| CITY CABIN          | 2390           |         |       |     |          |       |      | 2/26  | 27    | 11.5 | 3/27  | 24    | 11.0 |      |       |      |      |       |     |
| CLOUDY PASS AM      | 6500           |         |       |     | Est      | -     | 28.7 |       |       |      | 3/26  | 115   | 49.5 |      |       |      |      |       |     |
| COLOCKUM PASS       | 5370           |         |       |     | 2/1      | 38    | 7.8  | 3/26  | 34    | 12.6 | 3/26  | 34    | 12.6 |      |       |      |      |       |     |
| CORRAL PASS         | 6000           |         |       |     | Est      | -     | 20.7 | 2/23  | 118   | 39.8 | 3/26  | 104   | 41.5 |      |       |      |      |       |     |
| COUGAR MOUNTAIN     | 3200           |         |       |     | 1/29     | 35    | 7.8  | 2/23  | 60    | 19.8 | 3/28  | 44    | 18.2 |      |       |      |      |       |     |
| COX VALLEY          | 4500           |         |       |     | 1/27     | 100   | 14.5 | 2/27  | 95    | 34.3 | 3/28  | 89    | 38.7 | 4/29 | 57    | 27.4 |      |       |     |
| DEER PARK           | 5200           |         |       |     | 1/32     | 42    | 9.5  | 2/26  | 52    | 18.3 | 3/29  | 43    | 18.9 | 4/30 | 9     | 4.4  |      |       |     |
| DEVILS PARK         | 5900           |         |       |     | 2/2      | 111   | 27.4 | 2/28  | 119   | 39.2 | 3/27  | 113   | 45.0 | 4/30 | 87    | 41.4 |      |       |     |
| DOCK BUTTE AM       | 3800           |         |       |     |          |       |      | 2/28  | 150   | 60.0 | 3/28  | 135   | 60.0 | 5/4  | 90    | 43.7 |      |       |     |
| EASY PASS AM        | 5200           |         |       |     |          |       |      | 2/28  | 174   | 77.0 | 3/28  | 185   | 86.0 | 5/4  | 136   | 65.6 |      |       |     |
| FISH LAKE           | 3370           | 12/28   | 11    | 2.5 | Est      | -     | 24.2 | 2/27  | 93    | 34.8 | 3/28  | 77    | 34.5 |      |       |      |      |       |     |
|                     |                |         |       |     |          |       |      | 3/14  | 100   | 36.5 | 4/12  | 54    | 24.9 |      |       |      |      |       |     |
| FREEZEOUT CK. TRAIL | 3500           |         |       |     | 2/4      | -     | 4.1  | 2/28  | 40    | 11.7 | 3/28  | 32    | 12.3 | 4/30 | 5     | 2.4  |      |       |     |
| GOAT CREEK          | 3600           |         |       |     | 2/2      | 16    | 2.9  | 2/27  | 14    | 4.4  | 4/1   | 2     | .8   |      |       |      |      |       |     |
| GRANITE CREEK       | 3500           |         |       |     | 2/2      | 64    | 12.6 | 2/28  | 67    | 19.4 | 3/28  | 52    | 19.8 | 5/1  | 15    | 6.2  |      |       |     |
| GRASS MOUNTAIN #2   | 2900           | 12/30   | 0     | .0  | 1/29     | 17    | 5.0  | 2/28  | 19    | 9.0  | 3/30  | 0     | .0   | 5/3  | 0     | .0   | 6/1  | 0     | .0  |
| GREEN LAKE          | 6000           |         |       |     | Est      | -     | 15.9 | 2/27  | 75    | 25.4 | 3/29  | 64    | 30.3 |      |       |      |      |       |     |
| GROUSE CAMP         | 5380           |         |       |     | 1/31     | 45    | 10.2 | 3/27  | 33    | 14.4 | 3/27  | 33    | 14.4 |      |       |      |      |       |     |
| HARTS PASS          | 6500           |         |       |     |          |       |      | 2/28  | 107   | 36.7 | 3/27  | 103   | 40.9 | 4/30 | 83    | 38.4 |      |       |     |
| HURRICANE           | 4500           |         |       |     | 1/29     | 42    | 8.0  | 2/28  | 57    | 19.8 | 3/31  | 52    | 21.6 | 4/28 | 29    | 13.0 |      |       |     |



# SNOW COURSE DATA - WY 1990 (DEPTH & SWE in inches)

| SNOW COURSE NAME   | ELEV.<br>(ft.) | JANUARY |       |     | FEBRUARY |       |      | MARCH |       |      | APRIL |       |      | MAY  |       |      | JUNE |       |      |
|--------------------|----------------|---------|-------|-----|----------|-------|------|-------|-------|------|-------|-------|------|------|-------|------|------|-------|------|
|                    |                | DATE    | DEPTH | SWE | DATE     | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE | DEPTH | SWE  | DATE | DEPTH | SWE  |
| INDIAN ROCK        | 5340           |         |       |     | 2/7      | 67    | 18.2 | 2/28  | 183   | 74.0 | 3/28  | 174   | 76.0 | 5/4  | 142   | 68.0 |      |       |      |
| JASPER PASS AM     | 5400           |         |       |     | 1/25     | 8     | 2.4  | 2/22  | 23    | 5.8  | 3/26  | 0     | .0   |      |       |      | 5/25 | 0     | .0   |
| KELLER RIDGE       | 3700           |         |       |     |          |       |      | 2/26  | 88    | 37.1 | 3/28  | 80    | 39.6 | 5/1  | 41    | 22.1 | 6/4  | 0     | .0   |
| KROMONA MINE       | 2400           |         |       |     |          |       |      | 3/1   | 18    | 6.5  | 3/28  | 0     | .0   |      |       |      |      |       |      |
| LAKE CLE ELUM      | 2200           | 12/27   | 0     | .0  | 1/29     | 25    | 5.7  | 3/12  | 15    | 6.2  |       |       |      |      |       |      |      |       |      |
| LESTER CREEK       | 3100           | 12/30   | 0     | .0  | 1/29     | 45    | 9.0  | 2/28  | 62    | 20.4 | 3/30  | 56    | 21.8 | 5/3  | 34    | 15.6 | 6/1  | 0     | .0   |
| LITTLE MDWS AM     | 5280           |         |       |     | Est      | -     | 30.5 |       |       |      | 3/26  | 112   | 48.2 |      |       |      |      |       |      |
| LYMAN LAKE         | 5900           |         |       |     | Est      | -     | 42.2 | 2/22  | 172   | 61.7 | 3/26  | 138   | 59.6 |      |       |      |      |       |      |
| LYNN LAKE          | 4000           | 12/30   | 2     | .5  | 1/29     | 41    | 12.0 | 2/28  | 56    | 21.2 | 3/30  | 60    | 26.0 | 5/3  | 27    | 11.7 | 6/1  | 0     | .0   |
| MARTEN LAKE AM     | 3600           |         |       |     |          |       |      | 2/28  | 166   | 65.0 | 3/28  | 172   | 77.0 | 5/4  | 123   | 59.9 |      |       |      |
| MEADOWS CABIN      | 1900           |         |       |     | 2/4      | -     | 2.7  | 2/28  | 29    | 8.1  | 3/27  | 17    | 6.5  | 4/30 | 0     | .0   |      |       |      |
| MERRITT            | 2140           | Est     | -     | 1.5 | 1/29     | 40    | 10.2 | 2/26  | 43    | 14.5 | 3/30  | 31    | 13.6 | 4/27 | 0     | .0   |      |       |      |
| MIDDLE SULTAN      | 3010           |         |       |     |          |       |      | 2/26  | 66    | 31.0 | 3/28  | 60    | 30.2 | 5/1  | 0     | .0   | 6/4  | 0     | .0   |
| MISSION (OMAK)     | 1150           |         |       |     |          |       |      | 2/21  | 3     | .5   | 3/26  | 0     | .0   |      |       |      | 5/25 | 0     | .0   |
| MISSION RIDGE      | 5000           |         |       |     | 1/30     | 36    | 7.3  | 2/27  | 35    | 11.2 | 4/1   | 29    | 11.0 |      |       |      |      |       |      |
| MOUNT TOLMAN       | 2000           |         |       |     |          |       |      | 2/23  | 11    | 2.9  | 3/26  | 0     | .0   |      |       |      | 5/25 | 0     | .0   |
| MOSES MEADOWS (3)  | 3800           |         |       |     | 1/25     | 5     | 1.0  | 2/21  | 14    | 2.4  | 3/26  | 0     | .0   | 5/7  | 0     | .0   | 5/25 | 0     | .0   |
| MOSES MOUNTAIN (1) | 4800           |         |       |     | 1/25     | 24    | 5.9  | 2/20  | 47    | 12.8 | 3/26  | 55    | 16.0 | 5/7  | 26    | 11.0 | 5/25 | 36    | 13.5 |
| MOSES PEAK (2)     | 6650           |         |       |     | 1/25     | 15    | 3.7  | 2/20  | 37    | 9.2  | 3/26  | 31    | 11.3 | 5/7  | 0     | .0   | 5/25 | 0     | .0   |
| MT. BLUM AM        | 5800           |         |       |     |          |       |      | 2/28  | 162   | 65.0 | 3/28  | 166   | 75.0 | 5/4  | 138   | 64.9 |      |       |      |
| MT. GARDNER        | 3300           |         |       |     |          |       |      | 2/26  | 31    | 12.9 | 3/27  | 25    | 12.0 |      |       |      |      |       |      |



# SNOW COURSE DATA - WY 1990 (DEPTH & SWE in inches)

| SNOW COURSE NAME     | ELEV.<br>(ft.) | JANUARY |       |     | FEBRUARY |       |      | MARCH |       |      | APRIL |       |      | MAY  |       |      | JUNE |       |      |
|----------------------|----------------|---------|-------|-----|----------|-------|------|-------|-------|------|-------|-------|------|------|-------|------|------|-------|------|
|                      |                | DATE    | DEPTH | SWE | DATE     | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE  | DEPTH | SWE  | DATE | DEPTH | SWE  | DATE | DEPTH | SWE  |
| MUTTON CREEK #1      | 5700           |         |       |     | 1/31     | 21    | 4.2  | 2/26  | 19    | 6.1  | 3/28  | 22    | 8.4  | 4/30 | 0     | .0   |      |       |      |
| NEW HOZOMEEN LAKE    | 2800           |         |       |     | 2/4      | 37    | 7.2  | 2/28  | 37    | 10.0 | 3/28  | 32    | 9.8  | 4/30 | 0     | .0   |      |       |      |
| OLALLIE MEADOWS      | 3630           |         |       |     | Est      | -     | 19.3 | 2/25  | 109   | 44.6 | 3/31  | 94    | 46.8 |      |       |      |      |       |      |
| OLNEY PASS           | 3250           |         |       |     |          |       |      | 2/26  | 63    | 30.3 | 3/28  | 55    | 28.7 | 5/1  | 14    | 6.9  | 6/4  | 0     | .0   |
| PARADISE PARK R S    | 5500           |         |       |     |          |       |      | 3/4   | 144   | 58.0 | Est   | 34    | 50.7 |      |       |      |      |       |      |
| PARK CREEK RIDGE     | 4600           |         |       |     | Est      | -     | 35.4 |       |       |      | 3/26  | 97    | 40.0 |      |       |      |      |       |      |
| POPE RIDGE           | 3540           |         |       |     | Est      | -     | 12.5 |       |       |      | Est   | -     | 13.9 |      |       |      |      |       |      |
| RAGGED RIDGE         | 3330           |         |       |     |          |       |      | 3/3   | 28    | 9.3  | Est   | -     | 6.3  |      |       |      |      |       |      |
| RAINY PASS           | 4780           |         |       |     | 2/2      | 114   | 29.6 | 2/28  | 109   | 36.2 | 3/28  | 102   | 40.8 | 5/1  | 82    | 37.8 |      |       |      |
| ROCKY CREEK AM       | 2100           |         |       |     |          |       |      | 2/28  | 66    | 25.0 | 3/28  | 93    | 40.0 | 5/4  | 24    | 11.6 |      |       |      |
| RUSTY CREEK          | 4000           |         |       |     | 1/30     | 17    | 3.1  | 2/26  | 14    | 3.7  | 3/28  | 7     | 2.7  | 4/30 | 0     | .0   |      |       |      |
| SF THUNDER CK AM     | 2200           |         |       |     |          |       |      | 2/28  | 30    | 5.0  | 3/28  | 6     | 2.0  | 5/4  | 0     | .0   |      |       |      |
| SALMON MEADOWS       | 4500           |         |       |     | Est      | -     | 3.6  |       |       |      | Est   | -     | 4.6  |      |       |      |      |       |      |
| SATUS PASS           | 4030           |         |       |     | 1/31     | 25    | 4.5  | 2/26  | 30    | 8.9  | 3/29  | 16    | 8.0  |      |       |      |      |       |      |
| SAWMILL RIDGE        | 4700           | 12/30   | 12    | 3.9 | 1/29     | 71    | 18.0 | 2/28  | 85    | 30.8 | 3/30  | 89    | 38.0 | 5/3  | 56    | 27.4 | 6/1  | 14    | 4.8  |
| SCHREIBERS MDW AM    | 3400           |         |       |     |          |       |      | 2/28  | 108   | 43.0 | 3/28  | 114   | 52.0 | 5/4  | 90    | 43.4 |      |       |      |
| STEMILT SLIDE        | 5000           |         |       |     | 1/30     | 34    | 7.1  | 2/27  | 30    | 10.1 | Est   | -     | 9.8  |      |       |      |      |       |      |
| STEVENS PASS SAND SD | 3700           |         |       |     | 1/31     | 94    | 24.0 | 2/26  | 92    | 35.5 | 3/30  | 81    | 36.0 | 4/27 | 44    | 18.0 |      |       |      |
| STICKNEY RIDGE       | 3640           |         |       |     |          |       |      | 2/26  | 125   | 57.2 | 3/28  | 128   | 63.0 | 5/1  | 106   | 55.1 | 6/4  | 54    | 32.6 |
| STRANGER MOUNTAIN    | 4230           |         |       |     | 1/31     | 26    | 5.0  | 2/26  | 40    | 10.1 | 3/29  | 33    | 10.8 |      |       |      |      |       |      |
| SUMMIT G.S.          | 4600           |         |       |     |          |       |      | 2/27  | 23    | 5.9  | Est   | -     | 5.4  |      |       |      |      |       |      |
| SUMMIT G.S. #2       | 4600           |         |       |     | 2/2      | 21    | 4.1  |       |       |      | 3/29  | 20    | 6.0  |      |       |      |      |       |      |



# SNOW COURSE DATA - WY 1990 (DEPTH & SWE in inches)

| SNOW COURSE NAME | ELEV.<br>(ft.) | JANUARY |       |     | FEBRUARY |       |      | MARCH        |          |              | APRIL        |          |              | MAY  |       |      | JUNE |       |     |
|------------------|----------------|---------|-------|-----|----------|-------|------|--------------|----------|--------------|--------------|----------|--------------|------|-------|------|------|-------|-----|
|                  |                | DATE    | DEPTH | SWE | DATE     | DEPTH | SWE  | DATE         | DEPTH    | SWE          | DATE         | DEPTH    | SWE          | DATE | DEPTH | SWE  | DATE | DEPTH | SWE |
| SUMMIT TRAIL     | 3840           |         |       |     | 1/26     | 8     | 1.9  | 2/22         | 19       | 5.1          | 3/26         | 0        | .0           | Est  | -     | .0   | 5/25 | 0     | .0  |
| THUNDER BASIN    | 4200           |         |       |     | 2/4      | 66    | 10.8 | 2/28         | 64       | 17.4         | 3/27         | 62       | 23.0         | 4/30 | 41    | 17.8 |      |       |     |
| TOGO             | 3370           |         |       |     | 1/30     | 20    | 4.2  | 2/27         | 31       | 8.6          | 3/28         | 28       | 9.7          |      |       |      |      |       |     |
| TROUGH #2        | 5310           |         |       |     | Est      | -     | 3.9  |              |          |              | Est          | -        | 2.4          |      |       |      |      |       |     |
| TUNNEL AVENUE    | 2450           | 12/27   | 3     | 1.0 | Est      | -     | 17.9 | 2/28<br>3/12 | 58<br>57 | 20.7<br>22.3 | 3/27<br>4/11 | 51<br>34 | 21.3<br>15.0 | 4/26 | 15    | 6.4  |      |       |     |
| TWIN CAMP        | 4100           | 12/30   | 5     | 1.7 | 1/29     | 63    | 17.0 | 2/28         | 74       | 30.3         | 3/30         | 66       | 30.8         | 5/3  | 42    | 20.3 | 6/1  | 0     | .0  |
| TWIN LAKES       | 2700           |         |       |     | 1/26     | 6     | 1.3  | 2/22         | 21       | 5.6          | 3/26         | 0        | .0           | Est  | -     | .0   | 5/25 | 0     | .0  |
| UPPER WHEELER    | 4400           |         |       |     | Est      | -     | 4.0  |              |          |              | Est          | -        | 4.7          |      |       |      |      |       |     |
| WATSON LAKES AM  | 4500           |         |       |     |          |       |      | 2/28         | 176      | 70.0         | 3/28         | 156      | 67.0         | 5/4  | 122   | 57.3 |      |       |     |
| WHITE PASS E.S.  | 4500           | Est     | -     | .0  | 1/25     | 33    | 7.2  | 2/25         | 63       | 20.8         | Est          | -        | 24.6         |      |       |      |      |       |     |



# SNOTEL SWE's - WY 1990 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | DATE        | OCT       | NOV        | DEC          | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL        | AUG      | SEP      | SNOWPACK      |            |             | MELTOUT<br>DATE |
|------------------|----------------|-------------|-----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|----------|----------|---------------|------------|-------------|-----------------|
|                  |                |             |           |            |              |              |              |              |              |              |              |            |          |          | START<br>DATE | MAX<br>SWE | MAX<br>DATE |                 |
| BLEWETT PASS     | 4270           | 1st<br>15th | .0<br>.0  | .0<br>.0   | 1.0<br>1.1   | .8<br>7.1    | 14.5<br>17.3 | 18.6<br>20.0 | 18.5<br>10.4 | 2.1<br>.0    | .0<br>.0     | .0<br>.0   | .0<br>.0 | .0<br>.0 | 11/23         | 20.0       | 3/16        | 5/4             |
| BUMPING RIDGE    | 4600           | 1st<br>15th | .0<br>.0  | .0<br>.8   | 1.5<br>.0    | .3<br>5.6    | 12.9<br>20.5 | 22.6<br>25.3 | 26.2<br>22.8 | 21.0<br>15.8 | 8.1<br>.0    | .0<br>.0   | .0<br>.0 | .0<br>.0 | 12/30         | 26.2       | 4/1         | 6/15            |
| BUNCHGRASS MDW   | 5000           | 1st<br>15th | .0<br>.0  | 1.3<br>4.2 | 5.4<br>7.9   | 8.5<br>14.1  | 19.8<br>25.0 | 25.9<br>28.1 | 28.5<br>24.6 | 21.6<br>16.5 | 8.6<br>2.6   | .0<br>.0   | .0<br>.0 | .0<br>.0 | 10/21         | 29.1       | 3/29        | 6/18            |
| CORRAL PASS      | 6000           | 1st<br>15th | .0<br>.0  | .0<br>1.3  | 3.0<br>4.3   | 4.7<br>13.3  | 23.0<br>32.6 | 35.5<br>38.0 | 39.7<br>36.9 | 37.0<br>34.5 | 31.4<br>27.5 | 2.5<br>.0  | .0<br>.0 | .0<br>.0 | 11/12         | 39.7       | 4/2         | 7/7             |
| COUGAR MOUNTAIN  | 3200           | 1st<br>15th | .0<br>.0  | .0<br>1.6  | 2.5<br>1.6   | 2.8<br>3.9   | 12.6<br>20.3 | 21.6<br>25.1 | 19.8<br>10.9 | 4.4<br>.0    | .0<br>.0     | .0<br>.0   | .0<br>.0 | .0<br>.0 | 11/11         | 25.1       | 3/17        | 5/10            |
| FISH LAKE        | 3371           | 1st<br>15th | .0<br>.0  | .0<br>1.0  | 2.6<br>4.2   | 4.5<br>16.3  | 27.7<br>37.3 | 40.4<br>43.7 | 41.0<br>35.0 | 30.7<br>23.8 | 10.0<br>.0   | .0<br>.0   | .0<br>.0 | .0<br>.0 | 11/12         | 43.8       | 3/18        | 6/12            |
| GREEN LAKE       | 6000           | 1st<br>15th | .0<br>.0  | .6<br>.0   | 1.6<br>1.1   | .2<br>5.5    | 11.3<br>14.7 | 15.4<br>16.3 | 16.5<br>15.1 | 13.1<br>8.2  | .0<br>.0     | .0<br>.0   | .0<br>.0 | .0<br>.0 | 12/29         | 16.6       | 3/31        | 5/31            |
| GROUSE CAMP      | 5380           | 1st<br>15th | .0<br>.0  | .0<br>.6   | 1.3<br>2.4   | 3.1<br>7.3   | 12.9<br>15.5 | 16.5<br>16.3 | 15.4<br>5.3  | .0<br>.0     | .0<br>.0     | .0<br>.0   | .0<br>.0 | .0<br>.0 | 11/22         | 16.6       | 3/12        | 4/25            |
| HARTS PASS       | 6500           | 1st<br>15th | .0<br>.0  | 1.1<br>6.0 | 9.0<br>13.4  | 14.8<br>25.1 | 34.0<br>42.9 | 46.1<br>48.7 | 51.8<br>48.8 | 43.5<br>48.7 | 34.8<br>27.2 | .0<br>.0   | .0<br>.0 | .0<br>.0 | 10/27         | 51.8       | 3/31        | 6/28            |
| JUNE LAKE        | 3340           | 1st<br>15th | .0<br>.0  | .0<br>1.1  | 4.2<br>.0    | 1.8<br>.9    | 23.5<br>41.3 | 42.7<br>50.0 | 39.5<br>31.4 | 23.0<br>7.5  | .0<br>.0     | .0<br>.0   | .0<br>.0 | .0<br>.0 | 12/30         | 50.0       | 3/15        | 5/21            |
| LONE PINE        | 3800           | 1st<br>15th | .0<br>.0  | .4<br>.0   | 2.3<br>.0    | .1<br>2.3    | 15.0<br>26.8 | 28.7<br>31.5 | 29.0<br>24.0 | 23.1<br>17.6 | 10.8<br>3.9  | .0<br>.0   | .0<br>.0 | .0<br>.0 | 12/30         | 31.5       | 3/18        | 6/19            |
| LYMAN LAKE       | 5900           | 1st<br>15th | .0<br>2.3 | .9<br>8.7  | 12.4<br>16.3 | 18.3<br>32.5 | 46.3<br>59.3 | 63.3<br>67.2 | 68.1<br>69.0 | 66.6<br>62.3 | 53.9<br>46.2 | 14.7<br>.0 | .0<br>.0 | .0<br>.0 | 10/22         | 69.4       | 4/14        | 7/11            |
| MINERS RIDGE     | 6200           | 1st<br>15th | .0<br>.0  | .9<br>8.2  | 11.8<br>14.9 | 15.9<br>27.7 | 41.0<br>51.5 | 53.7<br>56.2 | 55.8<br>53.8 | 55.5<br>54.5 | 50.6<br>47.3 | 25.0<br>.0 | .0<br>.0 | .0<br>.0 | 10/26         | 57.3       | 3/28        | 7/15            |
| MORSE LAKE       | 5400           | 1st<br>15th | .0<br>.0  | 1.3<br>1.7 | 5.0<br>4.4   | 7.1<br>17.8  | 27.5<br>37.7 | 41.8<br>48.7 | 48.6<br>41.5 | 38.2<br>32.8 | 25.3<br>15.7 | .0<br>.0   | .0<br>.0 | .0<br>.0 | 10/23         | 50.3       | 3/27        | 6/27            |

\* - Permanent snowpack commenced in prior Water Year.



# SNOTEL SWE's - WY 1990 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | DATE        | OCT      | NOV       | DEC        | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL          | AUG      | SEP      | SNOWPACK      |            |             | MELTOUT<br>DATE |
|------------------|----------------|-------------|----------|-----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|----------|---------------|------------|-------------|-----------------|
|                  |                |             |          |           |            |              |              |              |              |              |              |              |          |          | START<br>DATE | MAX<br>SWE | MAX<br>DATE |                 |
| MOUNT CRAG       | 4050           | 1st<br>15th | .0<br>.0 | .2<br>.6  | 1.1<br>.0  | 1.0<br>3.3   | 10.8<br>17.6 | 19.0<br>23.8 | 22.6<br>17.8 | 13.2<br>6.7  | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 12/30         | 24.1       | 3/18        | 5/28            |
| OLALLIE MEADOWS  | 3700           | 1st<br>15th | .0<br>.0 | .0<br>1.1 | 3.8<br>3.0 | 4.2<br>13.7  | 28.9<br>44.8 | 50.1<br>57.5 | 58.0<br>52.6 | 50.6<br>47.0 | 36.2<br>22.0 | .0<br>.0     | .0<br>.0 | .0<br>.0 | 11/11         | 58.4       | 3/22        | 6/28            |
| PARADISE         | 5120           | 1st<br>15th | .0<br>.0 | .9<br>3.2 | 8.3<br>8.6 | 10.4<br>21.3 | 39.1<br>57.1 | 61.7<br>68.5 | 78.2<br>72.9 | 74.4<br>74.3 | 70.9<br>66.3 | 40.9<br>13.2 | .0<br>.0 | .0<br>.0 | 10/23         | 78.6       | 4/2         | 7/22            |
| PARK CREEK RIDGE | 4600           | 1st<br>15th | .0<br>.0 | .6<br>2.0 | 3.7<br>7.4 | 8.3<br>21.1  | 34.3<br>46.1 | 49.7<br>53.7 | 54.8<br>46.0 | 35.8<br>23.8 | 2.6<br>.0    | .0<br>.0     | .0<br>.0 | .0<br>.0 | 10/23         | 55.0       | 3/30        | 6/5             |
| PIGTAIL PEAK     | 5900           | 1st<br>15th | .0<br>.0 | .3<br>1.3 | 3.2<br>4.7 | 5.7<br>15.9  | 31.6<br>48.6 | 52.8<br>57.4 | 61.7<br>58.5 | 57.9<br>53.3 | 47.0<br>43.4 | 15.7<br>.0   | .0<br>.0 | .0<br>.0 | 11/23         | 62.9       | 4/2         | 7/11            |
| POPE RIDGE       | 3540           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 1.0<br>2.6 | 2.8<br>8.5   | 12.8<br>14.6 | 15.6<br>17.0 | 13.7<br>6.1  | .0<br>.0     | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 11/23         | 17.0       | 3/15        | 4/22            |
| POTATO HILL      | 4500           | 1st<br>15th | .0<br>.0 | .0<br>.5  | 1.9<br>2.4 | 3.0<br>6.2   | 13.6<br>23.1 | 25.0<br>27.4 | 25.0<br>17.1 | 12.3<br>4.9  | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 11/21         | 27.7       | 3/18        | 5/22            |
| QUARTZ PEAK      | 4700           | 1st<br>15th | .0<br>.0 | .0<br>.7  | 2.9<br>3.6 | 4.0<br>8.6   | 13.8<br>18.8 | 20.3<br>22.8 | 22.1<br>18.3 | 17.1<br>11.0 | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 11/2          | 23.1       | 3/27        | 5/29            |
| RAINY PASS       | 4780           | 1st<br>15th | .0<br>.0 | .3<br>2.9 | 4.9<br>9.0 | 9.8<br>18.3  | 24.6<br>35.0 | 40.5<br>43.4 | 45.7<br>42.2 | 38.6<br>34.4 | 28.0<br>19.8 | .0<br>.0     | .0<br>.0 | .0<br>.0 | 10/26         | 46.0       | 4/2         | 6/29            |
| SALMON MEADOWS   | 4500           | 1st<br>15th | .0<br>.0 | 1.0<br>.1 | 1.6<br>2.0 | 1.9<br>4.4   | 6.1<br>6.4   | 6.7<br>8.5   | 6.2<br>.0    | .0<br>.0     | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 11/22         | 8.5        | 3/27        | 4/10            |
| SASSE RIDGE      | 4200           | 1st<br>15th | .0<br>.0 | .0<br>1.6 | 3.9<br>5.3 | 6.1<br>12.0  | 21.1<br>30.5 | 33.1<br>37.4 | 39.2<br>35.3 | 29.9<br>20.6 | 4.2<br>.0    | .0<br>.0     | .0<br>.0 | .0<br>.0 | 11/3          | 39.2       | 4/2         | 6/5             |
| SHEEP CANYON     | 4030           | 1st<br>15th | .0<br>.0 | .7<br>1.5 | 5.8<br>1.1 | 1.5<br>3.3   | 20.8<br>46.0 | 61.6<br>79.4 | 80.8<br>71.9 | 57.2<br>43.4 | 17.8<br>.0   | .0<br>.0     | .0<br>.0 | .0<br>.0 | 10/30         | 82.4       | 3/22        | 6/14            |
| SPENCER MEADOW   | 3400           | 1st<br>15th | .0<br>.0 | .0<br>.9  | 3.0<br>1.1 | 1.7<br>4.0   | 13.8<br>35.3 | 37.6<br>40.9 | 36.8<br>28.5 | 20.1<br>5.9  | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 12/8          | 41.1       | 3/18        | 5/19            |
| SPIRIT LAKE      | 3120           | 1st<br>15th | .0<br>.0 | .0<br>.0  | .6<br>.0   | .0<br>.0     | 10.1<br>18.8 | 15.5<br>13.0 | .0<br>.0     | .0<br>.0     | .0<br>.0     | .0<br>.0     | .0<br>.0 | .0<br>.0 | 12/30         | 19.8       | 2/21        | 3/31            |

\* - Permanent snowpack commenced in prior Water Year.



# SNOTEL SWE's - WY 1990 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | DATE        | OCT      | NOV        | DEC        | JAN         | FEB          | MAR          | APR          | MAY          | JUN         | JUL      | AUG      | SEP      | SNOWPACK      |            |             | MELTOUT<br>DATE |
|------------------|----------------|-------------|----------|------------|------------|-------------|--------------|--------------|--------------|--------------|-------------|----------|----------|----------|---------------|------------|-------------|-----------------|
|                  |                |             |          |            |            |             |              |              |              |              |             |          |          |          | START<br>DATE | MAX<br>SWE | MAX<br>DATE |                 |
| STAMPEDE PASS    | 3960           | 1st<br>15th | .0<br>.0 | .0<br>2.1  | 4.3<br>8.7 | 7.8<br>16.0 | 31.8<br>46.7 | 51.0<br>55.9 | 57.5<br>51.0 | 46.0<br>40.4 | 25.1<br>9.2 | .0<br>.0 | .0<br>.0 | .0<br>.0 | 11/11         | 50.6       | 4/2         | 6/21            |
| STEVENS PASS     | 4070           | 1st<br>15th | .0<br>.0 | .0<br>2.6  | 3.7<br>5.2 | 6.9<br>20.5 | 35.0<br>49.5 | 53.3<br>57.8 | 54.8<br>44.8 | 37.2<br>25.0 | 6.1<br>.0   | .0<br>.0 | .0<br>.0 | .0<br>.0 | 11/5          | 57.8       | 3/16        | 6/5             |
| SURPRISE LAKES   | 4250           | 1st<br>15th | .0<br>.0 | 1.0<br>1.1 | 4.9<br>3.9 | 5.8<br>12.0 | 27.5<br>37.0 | 40.0<br>44.3 | 44.4<br>25.1 | 35.3<br>25.0 | 14.2<br>0   | .0<br>.0 | .0<br>.0 | .0<br>.0 | 11/17         | 44.0       | 3/30        | 6/18            |
| THUNDER BASIN    | 4200           | 1st<br>15th | .0<br>.0 | .0<br>3.2  | 6.1<br>7.7 | 8.8<br>20.5 | 31.4<br>40.2 | 42.0<br>46.7 | 45.5<br>38.8 | 31.3<br>21.8 | 7.3<br>.0   | .0<br>.0 | .0<br>.0 | .0<br>.0 | 11/4          | 47.1       | 3/24        | 6/7             |
| TOUCHET #2       | 5530           | 1st<br>15th | .0<br>.0 | 1.0<br>1.0 | 3.6<br>4.1 | 5.6<br>10.0 | 17.5<br>24.6 | 28.2<br>31.2 | 30.9<br>22.6 | 20.1<br>10.2 | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 | 10/25         | 31.3       | 3/30        | 5/29            |
| TROUGH           | 5300           | 1st<br>15th | .0<br>.0 | .0<br>.0   | .0<br>.0   | .0<br>3.1   | 4.0<br>3.5   | 3.0<br>4.4   | 2.6<br>.0    | .0<br>.0     | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 | 12/30         | 4.5        | 3/14        | 4/5             |
| UPPER WHEELER    | 4400           | 1st<br>15th | .0<br>.0 | .0<br>.0   | .4<br>.0   | .0<br>2.3   | 5.3<br>6.8   | 7.3<br>8.1   | 7.9<br>5.4   | .0<br>.0     | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 | 12/30         | 8.2        | 3/20        | 4/24            |
| WHITE PASS E.S.  | 4500           | 1st<br>15th | .0<br>.0 | .0<br>0    | 1.8<br>1.5 | .0<br>6.5   | 15.0<br>21.5 | 25.1<br>26.5 | 26.2<br>21.6 | 20.5<br>14.8 | 6.1<br>.0   | .0<br>.0 | .0<br>.0 | .0<br>.0 | 12/30         | 30.8       | 3/23        | 6/9             |

\* - Permanent snowpack commenced in prior Water Year.



# Monthly Precipitation - WY 1990 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY  | JUN | JUL | AUG | SEP | TOTAL |
|------------------|----------------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-------|
| BLEWETT PASS     | 4270           | 1.5  | 4.0  | 2.3  | 14.5 | 5.7  | 2.0  | 1.9  | 1.7  | 1.5 | .4  | 1.4 | .7  | 37.6  |
| BUMPING RIDGE    | 4600           | 2.1  | 6.6  | 6.1  | 16.6 | 11.4 | 4.0  | 4.0  | 2.9  | 3.6 | 1.7 | 2.8 | .4  | 62.2  |
| BUNCHGRASS MDW   | 5000           | 3.1  | 7.1  | 4.5  | 11.0 | 5.6  | 2.7  | 3.6  | 7.7  | 8.2 | 2.6 | 2.4 | .2  | 58.7  |
| CORRAL PASS      | 6000           | 2.5  | 9.1  | 4.7  | 17.9 | 12.1 | 3.9  | 6.2  | 4.8  | 4.9 | 1.6 | 2.5 | .3  | 70.5  |
| COUGAR MOUNTAIN  | 3200           | 6.4  | 19.6 | 11.2 | 22.7 | 15.3 | 8.3  | 8.1  | 6.3  | 5.9 | 2.2 | 6.4 | .7  | 113.1 |
| FISH LAKE        | 3371           | 4.0  | 10.0 | 6.3  | 21.4 | 13.3 | 3.2  | 3.1  | 1.8  | 4.7 | .3  | 2.1 | .1  | 70.3  |
| GREEN LAKE       | 6000           | 2.6  | 2.8  | 1.7  | 11.9 | 4.1  | 2.0  | 2.4  | 2.7  | 1.5 | .8  | 1.1 | .7  | 34.3  |
| GROUSE CAMP      | 5380           | 2.4  | 4.0  | 1.3  | 8.6  | 3.0  | 2.2  | 1.5  | 1.1  | 2.3 | .3  | 1.7 | .1  | 28.5  |
| HARTS PASS       | 6500           | 3.6  | 7.2  | 4.7  | 12.4 | 8.0  | 3.4  | 2.2  | 4.7  | 2.7 | 0.5 | 3.4 | 5.0 | 57.8  |
| JUNE LAKE        | 3340           | 10.3 | 25.7 | 9.9  | 48.0 | 27.7 | 11.9 | 11.4 | 8.0  | 8.4 | 1.0 | 4.9 | .5  | 167.7 |
| LONE PINE        | 3900           | 6.8  | 10.5 | 9.1  | 27.6 | 16.9 | 4.5  | 6.5  | 6.0  | 3.1 | .0  | 3.4 | .3  | 94.7  |
| LYMAN LAKE       | 5900           | 7.5  | 12.8 | 8.7  | 16.7 | 10.3 | 4.5  | 3.4  | 3.8  | 4.4 | 1.7 | 1.3 | 1.0 | 76.1  |
| MINERS RIDGE     | 6200           | 3.4  | 12.1 | 6.3  | 14.7 | 9.9  | 3.3  | 3.7  | 5.2  | 4.4 | 1.8 | 2.0 | .0  | 66.8  |
| MORSE LAKE       | 5400           | 4.8  | 8.7  | 6.6  | 24.2 | 13.5 | 6.5  | 4.4  | 3.9  | 4.1 | 1.0 | 1.5 | .3  | 79.5  |
| MOUNT CRAG       | 4050           | 2.2  | 5.6  | 6.3  | 13.9 | 8.2  | 5.4  | 1.4  | 6.2  | 3.5 | 1.8 | 1.3 | .6  | 56.4  |
| OLALLIE MEADOWS  | 3700           | 6.1  | 26.1 | 13.5 | 35.3 | 24.0 | 9.0  | 8.4  | 4.8  | 7.2 | .4  | 5.1 | 1.1 | 111.0 |
| PARADISE         | 5120           | 6.5  | 19.7 | 9.7  | 29.0 | 20.7 | 7.2  | 10.2 | 8.9  | 6.9 | 1.7 | 4.2 | .3  | 125.0 |
| PARK CREEK RIDGE | 4600           | 3.9  | 13.4 | 7.5  | 20.7 | 11.0 | 3.8  | 1.9  | 1.5  | 1.8 | .1  | 3.0 | .2  | 68.8  |
| PIGTAIL PEAK     | 5900           | 2.9  | 13.6 | 5.8  | 22.4 | 11.7 | 8.2  | 6.1  | 4.2  | 6.2 | 1.5 | 2.9 | .7  | 86.2  |
| POPE RIDGE       | 3540           | .3   | 5.4  | 4.0  | 10.6 | 4.0  | 2.3  | 1.1  | 2.3  | 1.7 | .3  | 2.0 | .1  | 34.1  |
| POTATO HILL      | 4500           | 2.6  | 8.4  | 5.1  | 20.1 | 9.3  | 3.2  | 3.4  | 4.1  | 4.2 | 1.3 | 1.8 | .2  | 53.7  |
| QUARTZ PEAK      | 4700           | 2.7  | 6.8  | 4.1  | 11.2 | 6.0  | 2.9  | 4.1  | 6.4  | 3.9 | 1.1 | 2.7 | .1  | 52.0  |
| RAINY PASS       | 4780           | 4.1  | 10.0 | 7.4  | 11.0 | 10.2 | 2.3  | 2.0  | 3.5  | 3.2 | 1.8 | 2.9 | .3  | 58.7  |
| SALMON MEADOWS   | 4500           | 3.8  | .8   | .7   | 2.9  | .9   | 2.1  | .8   | 7.1  | 4.7 | 2.9 | 2.5 | .0  | 29.2  |
| SASSE RIDGE      | 4200           | 2.4  | 9.1  | 5.1  | 21.3 | 11.7 | 3.7  | 3.9  | 3.0  | 2.4 | .3  | 2.1 | .2  | 65.2  |
| SHEEP CANYON     | 4030           | 10.9 | 15.6 | 6.8  | 31.2 | 19.3 | 7.5  | 7.3  | 10.8 | 8.4 | 1.7 | 4.5 | .0  | 124.0 |
| SPENCER MEADOW   | 3400           | 6.2  | 10.1 | 10.7 | 30.4 | 18.7 | 5.1  | 5.3  | 6.1  | 4.8 | .6  | 4.8 | .6  | 103.4 |
| SPIRIT LAKE      | 3120           | 7.9  | 11.9 | 8.2  | 24.7 | 11.4 | 4.0  | 6.1  | 8.1  | 5.0 | .0  | 3.3 | .2  | 90.8  |
| STAMPEDE PASS    | 3860           | 3.8  | 17.7 | 10.5 | 26.6 | 19.2 | 5.7  | 6.2  | 4.9  | 5.9 | 2.7 | 5.0 | .5  | 108.7 |
| STEVENS PASS     | 4070           | 6.4  | 20.6 | 10.0 | 26.7 | 17.5 | 4.8  | 5.4  | 4.3  | 5.9 | 1.2 | 2.7 | 1.2 | 106.7 |
| SURPRISE LAKES   | 4250           | 5.6  | 12.4 | 7.9  | 27.4 | 16.3 | 6.0  | 6.4  | 5.3  | 6.9 | .8  | 2.9 | .5  | 98.4  |
| THUNDER BASIN    | 4200           | 6.6  | 16.2 | 8.6  | 16.3 | 9.2  | 3.9  | 1.6  | 2.9  | 3.4 | .5  | 3.4 | .4  | 73.0  |
| TOUCHET #2       | 5530           | 2.7  | 5.8  | 3.5  | 13.9 | 8.2  | 2.9  | 6.1  | 3.5  | 2.6 | .9  | 1.6 | .0  | 51.7  |
| TROUGH           | 5300           | 2.8  | 2.7  | 1.3  | 5.1  | 2.1  | 1.3  | .7   | 2.3  | 1.3 | .5  | 3.5 | .0  | 23.6  |
| UPPER WHEELER    | 4400           | 2.4  | 2.9  | 1.4  | 6.4  | 2.0  | 1.5  | 1.4  | 1.6  | 1.7 | .5  | 1.8 | .2  | 23.8  |
| WHITE PASS E.S.  | 4500           | 1.0  | 5.0  | 3.3  | 13.3 | 8.8  | 1.9  | 3.4  | 1.9  | 3.8 | .0  | 1.8 | .3  | 44.5  |



# Snow Course SWE Averages: 1961-1985 (inches)

| SNOW COURSE NAME    | ELEV.<br>(ft.) | JANUARY |      | FEBRUARY |      | MARCH |      | APRIL |      | MAY  |      | JUNE |      |
|---------------------|----------------|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
|                     |                | 1st     | 15th | 1st      | 15th | 1st   | 15th | 1st   | 15th | 1st  | 15th | 1st  | 15th |
| AHTANUM R.S.        | 3100           | 3.6     |      | 6.0      |      | 6.9   |      | 5.5   |      | .0   |      |      |      |
| ALPINE MEADOWS      | 3500           |         |      |          |      | 34.9  |      | 45.4  |      |      |      |      |      |
| BAIRD #2 *          | 3220           |         |      |          |      |       |      |       |      |      |      |      |      |
| BEAVER CREEK TRAIL  | 2200           |         |      | 10.1     |      | 13.0  |      | 12.2  |      | 4.9  |      |      |      |
| BEAVER PASS         | 3680           |         |      | 20.3     |      | 25.5  |      | 30.4  |      | 29.3 |      |      |      |
| BEEHIVE SPRINGS     | 4400           |         |      | 6.3      |      | 7.8   |      | 7.5   |      | 1.9  |      |      |      |
| BERNE-MILL CREEK    | 3170           | 11.7    |      | 20.0     |      | 24.8  |      | 27.4  |      | 20.8 |      |      |      |
| BIG BOULDER CREEK   | 3200           | 7.2     |      | 13.3     |      | 18.1  |      | 18.0  |      | 8.7  |      |      |      |
| BLEWETT PASS #2     | 4270           | 6.4     |      | 11.9     |      | 14.4  |      | 15.6  |      | 8.7  |      |      |      |
| BOYER MOUNTAIN      | 5250           | 10.6    |      | 17.2     |      | 22.3  |      | 26.6  |      | 24.8 |      |      |      |
| BRIEF               | 1600           |         |      | 6.1      |      | 6.9   |      | 2.9   |      | .0   |      |      |      |
| BROWN TOP AM        | 6000           |         |      | 41.7     |      | 52.9  |      | 60.8  |      | 63.3 |      |      |      |
| BUMPING LAKE        | 3450           | 6.5     |      | 11.8     |      | 17.2  |      | 14.7  |      | 8.7  |      |      |      |
| BUMPING LAKE (NEW)  | 3400           | 8.0     |      | 14.5     |      | 18.1  |      | 18.8  |      | 12.5 |      |      |      |
| BUNCHGRASS MEADOWS  | 5000           | 14.6    |      | 21.3     |      | 25.0  |      | 30.4  |      | 29.2 |      |      |      |
| BUTTE CREEK         | 4070           | 4.2     |      | 6.7      |      | 8.6   |      | 9.6   |      | 5.7  |      |      |      |
| CARROL PASS         | 3650           | 11.0    |      | 14.8     |      | 23.0  |      | 28.2  |      | 30.0 |      |      |      |
| CAYUSE PASS         | 5300           | 32.6    |      | 54.1     |      | 67.0  |      | 85.1  |      | 90.1 |      |      |      |
| CHEWALAH            | 4930           |         |      | 10.5     |      | 13.9  |      | 16.1  |      |      |      |      |      |
| CHEWALAH #2 *       | 4930           |         |      |          |      |       |      |       |      |      |      |      |      |
| CHIWAIKUM G.S.      | 2500           | 5.0     |      | 8.9      |      | 11.0  |      | 9.4   |      | 1.1  |      |      |      |
| CITY CABIN          | 2390           |         |      |          |      | 13.1  |      | 14.3  |      |      |      |      |      |
| CLOUDY PASS AM      | 6500           |         |      | 27.9     |      | 33.5  |      | 42.5  |      |      |      |      |      |
| COLOCKUM PASS       | 5370           |         |      | 11.8     |      | 14.7  |      | 17.0  |      |      |      |      |      |
| CORRAL PASS         | 6000           |         |      |          |      | 34.1  |      | 40.9  |      |      |      |      |      |
| COUGAR MOUNTAIN *   | 3200           |         |      |          |      |       |      |       |      |      |      |      |      |
| COX VALLEY          | 4500           |         |      | 25.5     |      | 32.9  |      | 40.0  |      | 40.8 |      | 3.2  |      |
| DEER PARK           | 5200           | 8.6     |      | 13.9     |      | 17.9  |      | 21.7  |      | 21.1 |      |      |      |
| DEVILS PARK         | 5900           |         |      | 31.0     |      | 37.8  |      | 43.6  |      | 46.2 |      |      |      |
| DOCK BUTTE AM       | 3800           | 26.8    |      | 41.6     |      | 57.7  |      | 67.7  |      | 70.8 |      | 54.2 |      |
| EASY PASS AM        | 5200           | 28.4    |      | 46.5     |      | 65.3  |      | 85.2  |      | 89.2 |      | 74.5 |      |
| FISH LAKE           | 3370           | 12.4    |      | 22.4     |      | 29.4  |      | 32.1  |      | 23.8 |      |      |      |
| FREEZEOUT CK. TRAIL | 3500           |         |      | 9.3      |      | 11.3  |      | 11.7  |      | 7.8  |      |      |      |
| GOAT CREEK          | 3600           |         |      | 5.4      |      | 6.6   |      | 4.8   |      | .0   |      |      |      |
| GRANITE CREEK       | 3500           |         |      | 13.5     |      | 16.3  |      | 17.8  |      | 12.6 |      |      |      |

\* - Average not established.



# Snow Course SWE Averages: 1961-1985 (inches)

| SNOW COURSE NAME     | ELEV.<br>(ft.) | JANUARY |      | FEBRUARY |      | MARCH |      | APRIL |      | MAY  |      | JUNE |      |
|----------------------|----------------|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
|                      |                | 1st     | 15th | 1st      | 15th | 1st   | 15th | 1st   | 15th | 1st  | 15th | 1st  | 15th |
| GRASS MOUNTAIN #2    | 2900           | 5.4     |      | 11.6     |      | 14.6  |      | 18.4  |      |      |      |      |      |
| GREEN LAKE           | 6000           |         |      | 23.4     |      | 29.7  |      | 34.7  |      |      |      |      |      |
| GROUSE CAMP          | 5380           |         |      | 12.4     |      | 15.9  |      | 17.6  |      |      |      |      |      |
| HARTS PASS           | 6500           | 29.4    |      | 30.7     |      | 37.6  |      | 44.2  |      | 46.8 |      |      |      |
| HURRICANE            | 4500           | 9.2     |      | 14.2     |      | 17.9  |      | 23.1  |      | 23.9 |      | 3.2  |      |
| INDIAN ROCK *        | 5340           |         |      |          |      |       |      |       |      |      |      |      |      |
| JASPER PASS AM       | 5400           | 39.6    |      | 60.6     |      | 77.1  |      | 88.8  |      | 93.0 |      | 82.5 |      |
| KELLER RIDGE *       | 3700           |         |      |          |      |       |      |       |      |      |      |      |      |
| KROMONA MINE *       | 2400           |         |      |          |      |       |      |       |      | .0   |      |      |      |
| LAKE CLE ELUM        | 2200           | 4.2     |      | 7.3      |      | 8.1   |      | 4.9   |      |      |      |      |      |
| LESTER CREEK         | 3100           | 8.6     |      | 15.2     |      | 19.1  |      | 23.8  |      |      |      |      |      |
| LITTLE MDWS AM       | 5280           |         |      | 29.7     |      | 37.5  |      | 44.2  |      |      |      |      |      |
| LYMAN LAKE           | 5900           | 24.0    |      | 41.0     |      | 50.2  |      | 59.9  |      |      |      |      |      |
| LYNN LAKE            | 4000           | 7.8     |      | 18.1     |      | 22.8  |      | 26.7  |      | 20.7 |      |      |      |
| MARTEN LAKE AM       | 3600           | 31.6    |      | 49.2     |      | 65.4  |      | 75.5  |      | 78.8 |      | 66.7 |      |
| MEADOWS CABIN        | 1900           |         |      | 5.7      |      | 6.4   |      | 5.1   |      | 1.3  |      |      |      |
| MERRITT              | 2140           | 7.5     |      | 13.0     |      | 14.7  |      | 13.7  |      | 4.1  |      |      |      |
| MIDDLE SULTAN *      | 3010           |         |      |          |      |       |      |       |      |      |      |      |      |
| MISSION (OMAK) *     | 1150           |         |      |          |      |       |      |       |      |      |      |      |      |
| MISSION RIDGE *      | 5000           |         |      |          |      |       |      |       |      |      |      |      |      |
| MOUNT TOLMAN *       | 2000           |         |      |          |      |       |      |       |      |      |      |      |      |
| MOSES MEADOWS (3) *  | 3800           |         |      |          |      |       |      |       |      |      |      |      |      |
| MOSES MOUNTAIN (1) * | 4800           |         |      |          |      |       |      |       |      |      |      |      |      |
| MOSES PEAK (2) *     | 6650           |         |      |          |      |       |      |       |      |      |      |      |      |
| MT. BLUM AM          | 5800           | 25.6    |      | 42.8     |      | 57.3  |      | 63.2  |      | 72.3 |      | 69.7 |      |
| MT. GARDNER          | 3300           |         |      |          |      |       |      |       |      |      |      |      |      |
| MUTTON CREEK #1      | 5700           |         |      | 9.7      |      | 14.8  |      | 15.0  |      | 10.3 |      |      |      |
| NEW HOZOMEEN LAKE    | 2800           |         |      | 8.3      |      | 11.9  |      | 13.6  |      | 6.0  |      |      |      |
| OLALLIE MEADOWS      | 3630           | 18.2    |      | 30.2     |      | 11.7  |      | 11.0  |      | 43.5 |      |      |      |
| OLNEY PASS *         | 3250           |         |      |          |      | 39.3  |      | 45.5  |      |      |      |      |      |
| PARADISE PARK R S    | 5500           | 28.3    |      | 48.3     |      | 58.6  |      | 70.5  |      |      |      |      |      |
| PARK CREEK RIDGE     | 4600           | 17.5    |      | 33.3     |      | 42.5  |      | 43.8  |      |      |      |      |      |
| POPE RIDGE           | 3540           |         |      | 13.6     |      | 17.1  |      | 17.1  |      | 8.0  |      |      |      |
| RAGGED RIDGE *       | 3330           |         |      |          |      |       |      |       |      |      |      |      |      |
| RAINY PASS           | 4780           | 25.3    |      | 28.2     |      | 34.1  |      | 40.0  |      | 41.5 |      |      |      |

\* - Average not established.



# Snow Course SWE Averages: 1961-1985 (inches)

| SNOW COURSE NAME     | ELEV.<br>(ft.) | JANUARY |      | FEBRUARY |      | MARCH |      | APRIL |      | MAY  |      | JUNE |      |
|----------------------|----------------|---------|------|----------|------|-------|------|-------|------|------|------|------|------|
|                      |                | 1st     | 15th | 1st      | 15th | 1st   | 15th | 1st   | 15th | 1st  | 15th | 1st  | 15th |
| ROCKY CREEK AM       | 2100           | 12.2    |      | 20.5     |      | 26.1  |      | 28.6  |      | 20.7 |      | 2.0  |      |
| RUSTY CREEK          | 4000           |         |      | 5.3      |      | 6.5   |      | 6.4   |      | .6   |      |      |      |
| SF THUNDER CK AM     | 2200           | 4.8     |      | 7.0      |      | 9.0   |      | 5.8   |      | 1.3  |      | .0   |      |
| SALMON MEADOWS       | 4500           |         |      | 7.2      |      | 9.3   |      | 10.0  |      | 5.2  |      | .0   |      |
| SATUS PASS           | 4030           |         |      | 7.8      |      | 8.1   |      | 7.7   |      | 2.8  |      |      |      |
| SAWMILL RIDGE        | 4700           | 14.1    |      | 24.3     |      | 30.5  |      | 37.4  |      |      |      |      |      |
| SCHREIBERS MDW AM    | 3400           | 22.8    |      | 35.6     |      | 49.7  |      | 61.7  |      | 59.7 |      | 42.6 |      |
| STEMILT SLIDE        | 5000           |         |      | 10.5     |      | 13.1  |      | 13.4  |      | 6.4  |      |      |      |
| STEVENS PASS SAND SD | 3700           | 19.3    |      | 24.3     |      | 31.9  |      | 34.6  |      | 31.3 |      | 11.3 |      |
| STICKNEY RIDGE *     | 3640           |         |      |          |      |       |      |       |      |      |      |      |      |
| STRANGER MOUNTAIN    | 4230           |         |      | 9.3      |      | 11.9  |      | 13.6  |      |      |      |      |      |
| SUMMIT G.S.          | 4600           | 3.6     |      | 5.7      |      | 7.3   |      | 8.4   |      | 5.6  |      |      |      |
| SUMMIT G.S. #2 *     | 4600           |         |      |          |      |       |      |       |      |      |      |      |      |
| SUMMIT TRAIL *       | 3840           |         |      |          |      |       |      |       |      |      |      |      |      |
| THUNDER BASIN        | 4200           |         |      | 13.4     |      | 18.9  |      | 22.0  |      | 22.8 |      |      |      |
| TOGO                 | 3370           | 4.5     |      | 8.2      |      | 9.6   |      | 11.3  |      |      |      |      |      |
| TROUGH #2            | 5310           |         |      | 7.1      |      | 9.9   |      | 11.3  |      | 7.9  |      |      |      |
| TUNNEL AVENUE        | 2450           | 8.7     |      | 15.7     |      | 19.8  |      | 21.7  |      | 14.3 |      |      |      |
| TWIN CAMP            | 4100           | 10.3    |      | 16.8     |      | 21.1  |      | 25.0  |      |      |      |      |      |
| TWIN LAKES *         | 2700           |         |      |          |      |       |      |       |      |      |      |      |      |
| UPPER WHEELER        | 4400           |         |      | 8.4      |      | 9.6   |      | 8.5   |      | 1.4  |      |      |      |
| VAN EPPS PASS AM *   | 5900           |         |      |          |      |       |      |       |      |      |      |      |      |
| WATSON LAKES AM      | 4500           | 25.1    |      | 39.5     |      | 54.2  |      | 67.5  |      | 70.7 |      | 59.6 |      |
| WHITE PASS E.S.      | 4500           | 9.7     |      | 16.9     |      | 21.5  |      | 24.4  |      | 24.0 |      |      |      |

\* - Average not established.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud. The document also highlights the need for transparency and accountability in all financial dealings.

The second part of the document outlines the specific procedures for recording transactions. It provides a detailed description of the steps involved in the recording process, from the initial entry of the transaction into the system to the final review and approval. The document also includes a list of the required documents and information for each transaction.

The third part of the document discusses the role of the auditor in the recording process. It explains that the auditor is responsible for verifying the accuracy of the recorded transactions and for ensuring that the recording process complies with the relevant standards and regulations. The document also provides guidance on how to conduct an audit of the recording process.

The fourth part of the document discusses the importance of training and education for the personnel involved in the recording process. It emphasizes that all personnel must be properly trained and educated in the recording process and in the relevant standards and regulations. The document also provides guidance on how to develop and implement a training program.

The fifth part of the document discusses the importance of monitoring and evaluating the recording process. It explains that the recording process must be regularly monitored and evaluated to ensure that it is effective and efficient. The document also provides guidance on how to develop and implement a monitoring and evaluation program.

# SNOTEL SWE Averages: 1961 - 1985 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | DATE        | OCT      | NOV        | DEC          | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL       | AUG      | SEP      |
|------------------|----------------|-------------|----------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|----------|----------|
| BLEWETT PASS     | 4270           | 1st<br>15th | .0<br>.0 | .0<br>2.2  | 5.1<br>8.3   | 11.5<br>14.6 | 18.1<br>20.5 | 22.2<br>23.7 | 24.4<br>23.7 | 14.2<br>.0   | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| BUMPING RIDGE    | 4600           | 1st<br>15th | .0<br>.0 | .0<br>.0   | 3.5<br>7.0   | 11.0<br>14.9 | 18.4<br>21.2 | 23.2<br>24.7 | 24.9<br>24.7 | 23.4<br>14.7 | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| BUNCHGRASS MDW   | 5000           | 1st<br>15th | .0<br>.0 | 3.1<br>6.3 | 9.4<br>12.3  | 15.2<br>18.0 | 20.9<br>23.2 | 25.0<br>27.2 | 28.6<br>29.4 | 29.1<br>24.9 | 17.2<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| CORRAL PASS      | 6000           | 1st<br>15th | .0<br>.0 | .0<br>2.3  | 6.4<br>10.6  | 15.5<br>20.0 | 24.9<br>29.1 | 32.1<br>35.2 | 37.8<br>39.3 | 38.9<br>35.5 | 24.9<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| COUGAR MOUNTAIN  | 3200           | 1st<br>15th | .0<br>.0 | .0<br>.0   | 2.5<br>5.2   | 9.6<br>10.4  | 13.6<br>14.0 | 14.4<br>16.8 | 19.2<br>17.7 | 13.8<br>6.9  | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| FISH LAKE        | 3371           | 1st<br>15th | .0<br>.0 | .0<br>.0   | 5.0<br>9.7   | 15.1<br>20.2 | 25.6<br>29.5 | 32.8<br>35.3 | 36.0<br>33.5 | 26.6<br>13.7 | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| GREEN LAKE       | 6000           | 1st<br>15th | .0<br>.0 | .0<br>.0   | 2.7<br>5.5   | 8.7<br>11.4  | 14.3<br>16.5 | 18.1<br>19.8 | 21.1<br>21.5 | 20.9<br>16.7 | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| GROUSE CAMP      | 5380           | 1st<br>15th | .0<br>.0 | .0<br>1.3  | 3.9<br>6.3   | 9.0<br>11.4  | 13.6<br>15.3 | 16.6<br>17.7 | 18.4<br>17.1 | 12.9<br>4.4  | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| HARTS PASS       | 6500           | 1st<br>15th | .0<br>.0 | .0<br>6.8  | 13.6<br>19.8 | 27.2<br>33.5 | 39.1<br>43.7 | 47.1<br>50.5 | 53.9<br>55.6 | 56.7<br>55.6 | 35.7<br>14.2 | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| JUNE LAKE        | 3340           | 1st<br>15th | .0<br>.0 | .0<br>.0   | 3.5<br>7.2   | 11.6<br>15.7 | 19.5<br>21.6 | 25.7<br>28.6 | 31.4<br>30.5 | 24.8<br>.0   | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| LONE PINE        | 3800           | 1st<br>15th | .0<br>.0 | .0<br>.0   | 5.6<br>11.3  | 16.9<br>23.0 | 28.6<br>33.0 | 37.3<br>40.8 | 43.4<br>45.6 | 45.1<br>37.8 | 18.2<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| LOST HORSE *     | 5000           | 1st<br>15th | —<br>—   | —<br>—     | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—    | —<br>—   | —<br>—   |
| LYMAN LAKE       | 5900           | 1st<br>15th | .0<br>.0 | .0<br>3.2  | 11.6<br>19.3 | 28.3<br>37.3 | 45.0<br>50.8 | 55.9<br>60.4 | 64.3<br>66.9 | 67.5<br>64.3 | 47.6<br>30.9 | 9.0<br>.0 | .0<br>.0 | .0<br>.0 |
| MORSE LAKE       | 5400           | 1st<br>15th | .0<br>.0 | .0<br>3.6  | 9.7<br>15.9  | 22.0<br>28.2 | 34.8<br>39.9 | 44.0<br>48.1 | 51.2<br>54.8 | 55.3<br>51.2 | 31.2<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |

\* - Average not established.



# SNOTEL SWE Averages: 1961 - 1985 (inches)

| SNOTEL SITE NAME  | ELEV.<br>(ft.) | DATE        | OCT      | NOV       | DEC          | JAN          | FEB          | MAR          | APR          | MAY          | JUN          | JUL       | AUG      | SEP      |
|-------------------|----------------|-------------|----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|----------|----------|
| MOUNT CRAG *      | 4050           | 1st<br>15th | —<br>—   | —<br>—    | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—    | —<br>—   | —<br>—   |
| OLALLIE MEADOWS   | 3700           | 1st<br>15th | .0<br>.0 | .0<br>4.1 | 12.3<br>20.5 | 28.7<br>36.2 | 45.1<br>51.9 | 58.1<br>64.2 | 68.3<br>69.7 | 69.0<br>60.1 | 40.3<br>19.8 | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| PARADISE          | 5120           | 1st<br>15th | .0<br>.0 | .0<br>4.3 | 12.8<br>20.6 | 30.0<br>38.4 | 47.7<br>54.8 | 61.2<br>66.9 | 71.2<br>74.0 | 73.3<br>66.9 | 47.0<br>27.8 | 9.3<br>.0 | .0<br>.0 | .0<br>.0 |
| PARK CREEK RIDGE  | 4600           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 5.8<br>12.5  | 20.6<br>26.9 | 32.3<br>36.7 | 39.9<br>43.0 | 44.8<br>45.2 | 39.9<br>27.8 | 10.8<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| PIGTAIL PEAK      | 5900           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 6.7<br>13.9  | 21.2<br>28.9 | 35.1<br>40.8 | 44.4<br>48.5 | 51.6<br>52.6 | 52.1<br>47.5 | 34.1<br>19.6 | 6.2<br>.0 | .0<br>.0 | .0<br>.0 |
| PLAINS OF ABRAHAM | 4400           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 8.7<br>17.4  | 27.6<br>36.4 | 45.1<br>52.3 | 58.9<br>65.4 | 72.7<br>77.1 | 76.3<br>67.6 | 34.9<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| POPE RIDGE        | 3540           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 2.5<br>4.9   | 7.4<br>9.9   | 12.4<br>14.3 | 15.6<br>17.0 | 16.8<br>12.6 | 6.7<br>.0    | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| POTATO HILL       | 4500           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 3.7<br>8.0   | 12.6<br>16.9 | 21.2<br>24.3 | 26.7<br>29.2 | 30.7<br>30.1 | 27.3<br>14.4 | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| QUARTZ PEAK *     | 4700           | 1st<br>15th | —<br>—   | —<br>—    | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—    | —<br>—   | —<br>—   |
| RAINY PASS        | 4780           | 1st<br>15th | .0<br>.0 | .0<br>3.7 | 10.2<br>16.7 | 23.2<br>29.2 | 34.3<br>38.9 | 41.7<br>44.4 | 46.3<br>46.8 | 45.4<br>41.7 | 26.4<br>7.4  | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| SALMON MEADOWS    | 4500           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 2.6<br>4.7   | 7.0<br>8.6   | 10.3<br>11.5 | 12.6<br>13.5 | 13.9<br>13.5 | 7.4<br>.0    | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| SASSE RIDGE       | 4200           | 1st<br>15th | .0<br>.0 | .0<br>.7  | 5.2<br>10.1  | 15.4<br>20.2 | 24.8<br>28.3 | 30.7<br>33.5 | 34.9<br>35.6 | 33.5<br>29.7 | 23.0<br>7.0  | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| SHEEP CANYON      | 4030           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 5.6<br>11.6  | 18.1<br>24.2 | 30.7<br>35.3 | 39.5<br>43.2 | 46.5<br>47.4 | 43.7<br>34.9 | 20.0<br>.0   | .0<br>.0  | .0<br>.0 | .0<br>.0 |
| SPENCER MEADOW    | 3400           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 3.9<br>7.5   | 11.7<br>15.5 | 19.4<br>22.4 | 24.8<br>27.2 | 29.9<br>30.5 | 26.6<br>13.8 | .0<br>.0     | .0<br>.0  | .0<br>.0 | .0<br>.0 |

\* - Average not established.



# SNOTEL SWE Averages: 1961 - 1985 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | DATE        | OCT      | NOV       | DEC         | JAN          | FEB          | MAR          | APR          | MAY          | JUN         | JUL      | AUG      | SEP      |
|------------------|----------------|-------------|----------|-----------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|----------|----------|----------|
| SPIRIT LAKE      | 3120           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 1.8<br>3.7  | 5.9<br>7.8   | 10.0<br>11.6 | 13.1<br>14.1 | 14.7<br>.0   | .0<br>.0     | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| STAMPEDE PASS    | 3860           | 1st<br>15th | .0<br>.0 | .0<br>3.0 | 8.0<br>13.1 | 18.3<br>23.6 | 27.8<br>33.8 | 36.0<br>40.5 | 42.2<br>43.0 | 38.7<br>34.6 | 13.9<br>.0  | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| STEVENS PASS     | 4070           | 1st<br>15th | .0<br>.0 | .0<br>2.6 | 7.7<br>13.3 | 18.9<br>24.1 | 29.7<br>34.4 | 37.8<br>40.8 | 43.0<br>43.4 | 41.3<br>36.1 | 27.5<br>9.0 | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| SURPRISE LAKES   | 4250           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 7.1<br>14.2 | 21.8<br>28.9 | 36.0<br>41.4 | 45.2<br>49.6 | 54.5<br>56.7 | 55.6<br>48.0 | 27.8<br>.0  | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| THUNDER BASIN *  | 4200           | 1st<br>15th | —<br>—   | —<br>—    | —<br>—      | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—       | —<br>—      | —<br>—   | —<br>—   | —<br>—   |
| TOUCHET #2       | 5530           | 1st<br>15th | .0<br>.0 | .0<br>3.7 | 7.4<br>12.3 | 16.8<br>21.7 | 26.5<br>31.5 | 35.2<br>38.4 | 40.9<br>37.6 | 31.5<br>21.3 | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| TROUGH           | 5300           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 1.6<br>3.3  | 5.1<br>6.8   | 8.7<br>10.0  | 11.0<br>11.7 | 12.2<br>10.9 | 5.6<br>.0    | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| UPPER WHEELER    | 4400           | 1st<br>15th | .0<br>.0 | .0<br>1.5 | 3.7<br>5.6  | 8.0<br>10.1  | 12.3<br>13.9 | 15.1<br>15.9 | 16.6<br>15.8 | 8.8<br>.0    | .0<br>.0    | .0<br>.0 | .0<br>.0 | .0<br>.0 |
| WHITE PASS E.S.  | 4500           | 1st<br>15th | .0<br>.0 | .0<br>.0  | 3.3<br>6.6  | 10.4<br>13.7 | 17.2<br>19.7 | 22.0<br>24.0 | 25.3<br>25.0 | 24.8<br>22.5 | 15.2<br>.0  | .0<br>.0 | .0<br>.0 | .0<br>.0 |

\* - Average not established.



# Monthly Precipitation Averages: 1961 - 1985 (inches)

| SNOTEL SITE NAME | ELEV.<br>(ft.) | OCT  | NOV  | DEC  | JAN  | FEB  | MAR  | APR  | MAY | JUN | JUL | AUG | SEP   | TOTAL |
|------------------|----------------|------|------|------|------|------|------|------|-----|-----|-----|-----|-------|-------|
| BLEWETT PASS     | 4270           | 2.5  | 5.3  | 6.3  | 6.0  | 4.2  | 3.2  | 2.1  | 1.4 | 1.4 | .4  | 1.1 | 1.3   | 35.2  |
| BUMPING RIDGE    | 4600           | 4.4  | 9.5  | 11.4 | 10.8 | 7.6  | 5.7  | 3.8  | 2.6 | 2.6 | .6  | 1.9 | 2.6   | 63.5  |
| BUNCHGRASS MDW   | 5000           | 3.8  | 7.0  | 7.6  | 6.7  | 4.8  | 5.0  | 4.0  | 3.8 | 3.8 | 1.6 | 2.7 | 3.3   | 54.1  |
| CORRAL PASS      | 6000           | 5.2  | 9.1  | 10.4 | 9.8  | 7.8  | 6.5  | 4.6  | 3.3 | 2.6 | 1.3 | 2.0 | 2.5   | 65.1  |
| COUGAR MOUNTAIN  | 3200           | 8.6  | 15.1 | 16.2 | 15.1 | 10.8 | 9.7  | 8.6  | 6.5 | 5.4 | 3.3 | 3.3 | 5.5   | 108.1 |
| FISH LAKE        | 3371           | 4.8  | 8.4  | 9.6  | 9.0  | 7.2  | 6.0  | 3.6  | 3.0 | 2.4 | 1.3 | 1.9 | 3.1   | 60.3  |
| GREEN LAKE       | 6000           | 2.8  | 6.0  | 7.2  | 6.8  | 4.8  | 3.6  | 2.4  | 1.6 | 1.6 | .4  | 1.1 | 1.5   | 39.8  |
| GROUSE CAMP      | 5380           | 2.3  | 5.0  | 6.0  | 5.6  | 4.0  | 3.0  | 2.0  | 1.3 | 1.3 | .3  | 1.0 | 1.3   | 33.1  |
| HARTS PASS       | 6500           | 5.3  | 11.3 | 15.1 | 12.1 | 8.3  | 6.1  | 3.8  | 3.0 | 3.0 | 1.5 | 2.3 | 3.8   | 75.6  |
| JUNE LAKE        | 3340           | 13.4 | 25.0 | 30.1 | 26.7 | 20.0 | 18.4 | 10.0 | 6.7 | 5.0 | 1.7 | 3.3 | 6.7   | 167.0 |
| LONE PINE        | 3800           | 7.7  | 14.5 | 17.4 | 15.5 | 11.6 | 10.6 | 5.8  | 3.9 | 2.9 | 1.0 | 1.9 | 4.0   | 96.8  |
| LOST HORSE *     | 5000           | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   | —     | —     |
| LYMAN LAKE       | 5900           | 6.0  | 12.9 | 18.0 | 16.3 | 10.3 | 6.9  | 3.4  | 2.6 | 2.6 | .9  | —   | 3.3   | 85.8  |
| MORSE LAKE       | 5400           | 6.8  | 11.9 | 13.6 | 12.8 | 10.2 | 8.5  | 6.0  | 4.3 | 3.4 | 1.7 | 2.6 | 3.4   | 85.2  |
| MOUNT CRAG *     | 4050           | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   | —     | —     |
| OLALLIE MEADOWS  | 3700           | 10.1 | 17.6 | 20.1 | 17.6 | 13.8 | 11.3 | 10.1 | 6.3 | 5.0 | 3.8 | 3.8 | 6.4   | 125.9 |
| PARADISE         | 5120           | 9.6  | 16.9 | 19.3 | 18.1 | 14.4 | 12.0 | 8.4  | 6.0 | 4.8 | 2.4 | 3.6 | -13.1 | 102.4 |
| PARK CREEK RIDGE | 4600           | 5.0  | 10.8 | 14.4 | 11.5 | 7.9  | 5.7  | 3.6  | 2.9 | 2.9 | 1.4 | 2.2 | 3.5   | 71.8  |
| PIGTAIL PEAK     | 5900           | 4.8  | 12.7 | 14.3 | 13.5 | 9.5  | 8.0  | 4.8  | 3.2 | 3.2 | .8  | 1.6 | 3.1   | 79.5  |
| POPE RIDGE       | 3540           | 2.4  | 5.2  | 7.2  | 6.5  | 4.1  | 2.8  | 1.4  | 1.0 | 1.0 | .3  | 1.0 | 1.5   | 34.4  |
| POTATO HILL      | 4500           | 4.6  | 9.8  | 11.8 | 11.1 | 7.8  | 6.5  | 3.9  | 3.3 | 2.0 | .7  | 1.3 | 2.5   | 65.3  |
| QUARTZ PEAK *    | 4700           | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   | —     | —     |
| RAINY PASS       | 4780           | 4.7  | 10.0 | 13.4 | 10.7 | 7.4  | 5.4  | 3.3  | 2.7 | 2.7 | 1.3 | 2.0 | 3.3   | 66.9  |
| SALMON MEADOWS   | 4500           | 1.6  | 3.6  | 5.5  | 4.2  | 2.3  | 1.8  | 1.3  | 1.3 | 1.3 | .8  | 1.0 | 1.3   | 26.0  |
| SASSE RIDGE      | 4200           | 4.6  | 8.1  | 9.2  | 8.6  | 6.9  | 5.2  | 4.0  | 2.9 | 2.3 | 1.2 | 1.7 | 2.9   | 57.6  |
| SHEEP CANYON     | 4030           | 10.1 | 18.9 | 22.7 | 20.2 | 15.1 | 13.9 | 7.6  | 5.0 | 3.8 | 1.3 | 2.5 | 4.9   | 126.0 |
| SPENCER MEADOW   | 3400           | 8.2  | 15.3 | 18.4 | 16.3 | 12.3 | 11.2 | 6.1  | 4.1 | 3.1 | 1.0 | 2.0 | 4.1   | 102.1 |
| SPIRIT LAKE      | 3120           | 8.3  | 15.6 | 18.7 | 16.6 | 12.5 | 11.4 | 6.2  | 4.2 | 3.1 | 1.0 | 2.1 | 4.1   | 103.8 |
| STAMPEDE PASS    | 3860           | 7.7  | 13.4 | 15.4 | 14.4 | 11.5 | 8.6  | 6.7  | 4.8 | 3.8 | 1.9 | 2.9 | 4.9   | 96.0  |
| STEVENS PASS     | 4070           | 7.8  | 13.7 | 15.7 | 14.7 | 11.8 | 8.8  | 6.9  | 4.9 | 3.9 | 2.0 | 2.9 | 4.9   | 98.0  |
| SURPRISE LAKES   | 4250           | 8.4  | 15.8 | 19.0 | 16.9 | 12.7 | 11.6 | 6.3  | 4.2 | 3.2 | 1.1 | 2.1 | 4.2   | 105.5 |
| THUNDER BASIN *  | 4200           | —    | —    | —    | —    | —    | —    | —    | —   | —   | —   | —   | —     | —     |
| TOUCHET #2       | 5530           | 4.5  | 7.2  | 7.8  | 7.8  | 6.2  | 6.1  | 4.5  | 3.9 | 2.8 | 1.1 | 1.7 | 2.2   | 55.8  |
| TROUGH           | 5300           | 2.1  | 4.5  | 5.4  | 5.1  | 3.6  | 2.7  | 1.8  | 1.2 | 1.2 | .3  | .9  | 1.3   | 30.1  |
| UPPER WHEELER    | 4400           | 2.1  | 4.4  | 5.3  | 5.0  | 3.5  | 2.6  | 1.8  | 1.2 | 1.2 | .3  | .8  | 1.1   | 29.3  |
| WHITE PASS E.S.  | 4500           | 3.2  | 6.9  | 8.3  | 7.8  | 5.5  | 4.1  | 2.8  | 1.8 | 1.8 | .5  | 1.4 | 1.8   | 45.9  |

\* - Average not established.



# Glossary:

**a (Accumulated)**

Data value summed over several previous measurement periods.

**AM (Aerial Marker)**

A vertical member with equally spaced crossarms. The depth of snow at these remote sites is determined by observation from low-flying aircraft. Water content is calculated using measurements from nearby snow courses

**Average**

The mean values of snow water equivalent and monthly/yearly precipitation based on the 25 year period 1961 - 1985. Sites with less than 25 years of record have averages computed by correlation with long term record sites.

**Basin**

The major drainage area in which a snow course is located.

**Data**

Refers to snow water equivalent or precipitation amounts.

**Disc.**

(Discontinued) Manual measurement discontinued. Estimates to be provided for minimum of 5 years following discontinuance for correlation purposes.

**e, est**

(Estimate) Data value developed from adjacent snow course or SNOTEL site in lieu of an actual physical measurement.

**Elevation**

The vertical reference of a site location above mean sea level, measured in feet.

**Meltout Date**

Date permanent seasonal snowpack was completely melted.

**Months**

Month names that head data columns in this report indicate:

1. Snow depth and snow water equivalent measurements that are usually taken near the end or middle of the month, and reported as first of month or fifteenth of month readings. This explains why, for example, a February 27 and a March 15 reading are shown under the March column.
2. Precipitation increment or catch measured during the month indicated.

**Precipitation**

The liquid equivalent (inches) of rainfall, snow, sleet, or hail, collected by precipitation storage gauges.

**SNOTEL**

Abbreviation for SNOW TELelemetry; a west-wide system for obtaining snow water equivalent, precipitation, air temperature, and other hydrologic measurements from remote data sites via radio transmission.

**Snow Course**

A permanently marked data site where manual snow measurements are collected.

**Site Number**

An indexing/locating number based on alpha and numeric grid divisions. Refer to the Data Site Maps included with this report.

**Snow Depth**

An average of the vertical measurements in inches of snowpack at a data site.

**Start Date**

Date permanent seasonal snowpack first began.

**SWE**

(Snow Water Equivalent) The amount of water in the snowpack expressed in inches.

**WY**

(Water Year) The twelve month period beginning October 1st in one year and September 30th of the following year. The water year is the calendar year in which it ends.



# The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

## Canada:

Ministry of the Environment, Water  
Investigations Branch, Victoria, British Columbia

## States:

Washington State Department of Ecology  
Washington State Department of Natural Resources

## Federal:

Department of the Army  
Corps of Engineers  
U.S. Department of Agriculture  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Geological Survey  
National Park Service  
Bureau of Indian Affairs

## Local:

City of Tacoma  
City of Seattle  
Chelan County P.U.D.  
Pacific Power and Light Company  
Puget Sound Power and Light Company  
Washington Water Power Company  
Snohomish County P.U.D.  
Colville Confederated Tribes  
Spokane County

## Private:

Okanogan Irrigation District  
Wenatchee Heights Irrigation District  
Newman Lake Homeowners Association

Other organizations and individuals furnish valuable information for  
snow survey reports. Their cooperation is gratefully acknowledged.

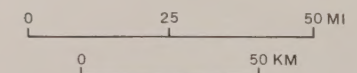




LEGEND

- BASIN BOUNDARY
- - - COUNTY BOUNDARY
- SNOW DATA MEASURING SITE
- TELEMETERED

SNOW SURVEY DATA SITES  
WASHINGTON  
1990



BASE COMPILED FROM USGS NATIONAL ATLAS  
1:1,000,000 AND WASHINGTON HIGHWAY MAPS,  
ALBERS EQUAL-AREA PROJECTION.

aGB2625  
.W2W37  
1990



## INDEX TO WASHINGTON SNOW DATA SITES

| SITE NAME               | SITE NO. | ELEV. | LAT.   | LONG.   | SEC. | TWP. | RANGE | SITE CONFIGURATION | BASIN                        |
|-------------------------|----------|-------|--------|---------|------|------|-------|--------------------|------------------------------|
| AHTANUM R.S.            | 21C11    | 3100  | 46°31' | 121°01' | 24   | 12N  | 14E   | SC                 | YAKIMA RIVER                 |
| ALPINE MEADOWS AIRSTRIP | 21B48    | 3500  | 47°41' | 121°42' | 21   | 27N  | 9E    | SC                 | NORTH PUGET                  |
| BAIRD # 2               | 21B24    | 1800  | 47°13' | 121°27' | 18   | 20N  | 11E   | SC                 | CEDAR AND GREEN              |
| BEAVER CREEK TRAIL      | 21A07    | 3220  | 48°37' | 117°34' | 19   | 36N  | 42E   | SC                 | COLVILLE AND KETTLE          |
|                         | 21A04    | 2200  | 48°50' | 121°12' | 35   | 39N  | 12E   | SC                 | NORTH PUGET                  |
| BEAVER PASS             | 21A01    | 3680  | 48°53' | 121°14' | 9    | 39N  | 12E   | SC                 | NORTH PUGET                  |
| BEEHIVE SPRINGS         | 20B03    | 4400  | 47°20' | 120°24' | 12   | 21N  | 19E   | SC                 | CHELAN AND WENATCHEE         |
| BERNE-MILL CREEK        | 21B23    | 3240  | 47°46' | 121°04' | 12   | 26N  | 14E   | SC                 | CHELAN AND WENATCHEE         |
| BIG BOULDER CREEK       | 21B09    | 3200  | 47°26' | 121°02' | 35   | 23N  | 14E   | SC                 | YAKIMA RIVER                 |
| BLEWETT PASS # 2        | 20B02S   | 4270  | 47°22' | 102°39' | 35   | 22N  | 17E   | SC,S,P,T           | CHELAN AND WENATCHEE         |
| BOYER MOUNTAIN BRIEF    | 17A02    | 5250  | 48°12' | 117°26' | 7    | 31N  | 43E   | SC                 | COLVILLE AND KETTLE          |
| BROWN TOP RIDGE         | 20B19    | 1600  | 47°53' | 120°26' | 34   | 28N  | 19E   | SC                 | CHELAN AND WENATCHEE         |
| BUMPING LAKE            | 21A28    | 6000  | 48°57' | 121°14' | 26   | 40N  | 12E   | SC                 | NORTH PUGET                  |
| BUMPING LAKE NEW        | 21C08    | 3450  | 46°52' | 121°18' | 23   | 16N  | 12E   | SC                 | YAKIMA RIVER                 |
|                         | 21C36    | 3400  | 46°53' | 121°17' | 13   | 16N  | 12E   | SC                 | YAKIMA RIVER                 |
| BUMPING RIDGE           | 21C38S   | 4600  | 46°49' | 121°20' | 9    | 15N  | 12E   | S,P,T              | YAKIMA RIVER                 |
| BUNCHGRASS MEADOWS      | 17A01S   | 5000  | 48°42' | 117°11' | 24   | 37N  | 44E   | SC,S,P,T           | COLVILLE AND KETTLE          |
| BUTTE CREEK             | 18A03    | 4070  | 48°51' | 118°22' | 28   | 39N  | 35E   | SC                 | COLVILLE AND KETTLE          |
| BUTTE CREEK # 2         | 18A15    | 4070  | 48°51' | 118°22' | 28   | 39N  | 35E   | SC                 | COLVILLE AND KETTLE          |
| CARROL PASS             | 23B15    | 3710  | 47°30' | 123°31' | 36   | 24N  | 7W    | SC                 | OLYMPIC                      |
| CAYUSE PASS             | 21C06    | 5300  | 46°52' | 121°32' | 15   | 16N  | 10E   | SC                 | COWLITZ AND LEWIS            |
| CHEWELAH # 2            | 17A08    | 4900  | 48°18' | 117°36' | 11   | 32N  | 41E   | SC                 | COLVILLE AND KETTLE          |
| CHIWIAUKUM G.S.         | 20B16    | 2500  | 47°40' | 120°42' | 4    | 25N  | 17E   | SC                 | CHELAN AND WENATCHEE         |
| CITY CABIN              | 21B03    | 2390  | 47°19' | 121°31' | 10   | 27N  | 10E   | SC                 | CEDAR AND GREEN              |
| CLOUDY PASS             | 20A22    | 6500  | 48°12' | 120°55' | 12   | 31N  | 15E   | SC                 | CHELAN AND WENATCHEE         |
| COLOCKUM PASS           | 20B09    | 5370  | 47°12' | 120°16' | 25   | 20N  | 20E   | SC                 | YAKIMA RIVER                 |
| CORRAL PASS             | 21B13S   | 6000  | 47°07' | 121°28' | 30   | 18N  | 11E   | SC,S,P,T           | CEDAR AND GREEN              |
| COUGAR MOUNTAIN         | 21B42S   | 3200  | 47°15' | 121°38' | 21   | 21N  | 9E    | SC,S,P,T           | NORTH PUGET                  |
| COX VALLEY              | 23B14    | 4500  | 47°58' | 123°29' | 31   | 29N  | 6W    | SC                 | OLYMPIC                      |
| DEER PARK               | 23B04    | 5200  | 47°57' | 123°16' | 1    | 28N  | 5W    | SC                 | OLYMPIC                      |
| DEVILS PARK             | 20A04    | 5900  | 48°45' | 120°51' | 34   | 38N  | 16E   | SC                 | NORTH PUGET                  |
| DOCK BUTTE              | 21A11    | 3800  | 48°38' | 121°48' | 8    | 36N  | 8E    | SC                 | NORTH PUGET                  |
| EASY PASS               | 21A07    | 5200  | 48°52' | 121°26' | 19   | 39N  | 11E   | SC                 | NORTH PUGET                  |
| FISH LAKE               | 21B04S   | 3370  | 47°31' | 121°04' | 28   | 24N  | 14E   | SC,S,P,T           | YAKIMA RIVER                 |
| FREEZEOUT CREEK TRAIL   | 20A01    | 3500  | 48°57' | 120°57' | 14   | 40N  | 14E   | SC                 | NORTH PUGET                  |
| GOAT CREEK              | 18A04    | 3600  | 48°51' | 118°21' | 26   | 39N  | 35E   | SC                 | COLVILLE AND KETTLE          |
| GRANITE CREEK           | 20A06    | 3500  | 48°36' | 120°48' | 25   | 36N  | 16E   | SC                 | NORTH PUGET                  |
| GRASS MOUNTAIN # 2      | 21B27    | 2900  | 47°13' | 121°45' | 14   | 20N  | 8E    | SC                 | CEDAR AND GREEN              |
| GREEN LAKE              | 21C10S   | 6000  | 46°35' | 121°09' | 3    | 12N  | 13E   | SC,S,P,T           | YAKIMA RIVER                 |
| GROUSE CAMP             | 20B11S   | 5380  | 47°16' | 120°29' | 29   | 21N  | 19E   | S,P,T              | YAKIMA RIVER                 |
| HARTS PASS              | 20A05S   | 6500  | 48°43' | 120°39' | 7    | 37N  | 18E   | SC,S,P,T           | METHOW AND OKANOGAN          |
| HURRICANE               | 23B03    | 4500  | 47°58' | 123°32' | 36   | 29N  | 7W    | SC                 | OLYMPIC                      |
| INDIAN ROCK             | 20D02    | 5340  | 45°59' | 120°47' | 21   | 6N   | 16E   | SC                 | COWLITZ AND LEWIS            |
| JASPER PASS             | 21A06    | 5400  | 48°47' | 121°24' | 17   | 38N  | 11E   | SC                 | NORTH PUGET                  |
| JUNE LAKE               | 22C09S   | 3200  | 46°12' | 122°08' | 26   | 8N   | 5E    | S,P,T              | COWLITZ AND LEWIS            |
| KELLER RIDGE            | 18A14    | 3700  | 48°11' | 118°48' | 21   | 31N  | 32E   | SC                 | COLVILLE AND KETTLE          |
| KROMONA MINE            | 21B57    | 2400  | 47°56' | 121°35' | 13   | 28N  | 9E    | SC                 | NORTH PUGET                  |
| LAKE CLE ELUM           | 21B14    | 2200  | 47°14' | 121°04' | 15   | 20N  | 14E   | SC                 | YAKIMA RIVER                 |
| LESTER CREEK            | 21B29    | 3100  | 47°12' | 121°28' | 36   | 20N  | 10E   | SC                 | CEDAR AND GREEN              |
| LITTLE MEADOWS          | 20A24    | 5280  | 48°12' | 120°54' | 8    | 31N  | 16E   | SC                 | CHELAN AND WENATCHEE         |
| LONE PINE SHELTER       | 21C26S   | 3800  | 46°16' | 121°58' | 8    | 9N   | 7E    | SC,S,P,T           | COWLITZ AND LEWIS            |
| LOST HORSE              | 21C39S   | 5000  | 46°21' | 121°07' | 16   | 10N  | 14E   | S,P,T              | YAKIMA RIVER                 |
| LYMAN LAKE              | 20A23S   | 5900  | 48°12' | 120°55' | 18   | 31N  | 16E   | SC,S,P,T           | CHELAN AND WENATCHEE         |
| LYNN LAKE               | 21B50    | 4000  | 47°12' | 121°47' | 22   | 20N  | 8E    | SC                 | CEDAR AND GREEN              |
| MARTEN LAKE             | 21A09    | 3600  | 48°46' | 121°43' | 23   | 38N  | 8E    | SC                 | NORTH PUGET                  |
| MEADOWS CABINS          | 20A08    | 1900  | 48°33' | 120°56' | 29   | 36N  | 14E   | SC                 | NORTH PUGET                  |
| MERRITT                 | 20B18    | 2140  | 47°47' | 120°52' | 4    | 26N  | 16E   | SC                 | CHELAN AND WENATCHEE         |
| MIDDLE SULTAN           | 21B53    | 3010  | 47°57' | 121°28' | 35   | 29N  | 9E    | SC                 | NORTH PUGET                  |
| MINERS RIDGE            | 20A40S   | 6200  | 48°10' | 120°59' | 11   | 31N  | 15E   | S,P,T              | NORTH PUGET                  |
| MISSION (OMAK)          | 19A12    | 1150  | 48°23' | 119°28' | 8    | 33N  | 27E   | SC                 | METHOW AND OKANOGAN          |
| MISSION RIDGE           | 20B29    | 4920  | 47°17' | 120°24' | 25   | 21N  | 19E   | SC                 | CHELAN AND WENATCHEE         |
| MORSE LAKE              | 21C17S   | 5400  | 46°54' | 121°29' | 6    | 16N  | 11E   | SC,S,P,T           | YAKIMA RIVER                 |
| MOSES MEADOWS #3        | 19A14    | 3800  | 48°24' | 119°05' | 31   | 34N  | 30E   | SC                 | METHOW AND OKANOGAN          |
| MOSES MOUNTAIN #1       | 19A13    | 4740  | 48°21' | 119°04' | 20   | 33N  | 30E   | SC                 | METHOW AND OKANOGAN          |
| MOSES PEAK #2           | 19A15    | 6650  | 48°22' | 119°04' | 9    | 33N  | 30E   | SC                 | METHOW AND OKANOGAN          |
| MOUNT GARDNER           | 21B21    | 3300  | 47°22' | 121°34' | 30   | 22N  | 10E   | SC                 | CEDAR AND GREEN              |
| MOUNT TOLMAN            | 18A12    | 2400  | 48°03' | 118°42' | 5    | 29N  | 33E   | SC                 | COLVILLE AND KETTLE          |
| MT. BLUM                | 21A18    | 5800  | 48°43' | 121°31' | 27   | 38N  | 10E   | SC                 | NORTH PUGET                  |
| MT. CRAIG               | 23B06S   | 4200  | 47°45' | 123°00' | 11   | 26N  | 3W    | S,P,T              | OLYMPIC                      |
| MUTTON CREEK # 1        | 19A01    | 5700  | 48°40' | 119°52' | 30   | 37N  | 24E   | SC                 | METHOW AND OKANOGAN          |
| NEW HOZOMEEN LAKE       | 21A30    | 2800  | 48°57' | 120°58' | 19   | 40N  | 14E   | SC                 | NORTH PUGET                  |
| OLALLIE MEADOWS E.S.    | 21B02    | 3630  | 47°23' | 121°27' | 19   | 22N  | 11E   | SC                 | NORTH PUGET                  |
| OLALLIE MEADOWS         | 21B55S   | 3960  | 47°26' | 121°28' | 20   | 22N  | 11E   | S,P,T              | NORTH PUGET AND YAKIMA RIVER |
| OLNEY PASS              | 21B54    | 3200  | 47°56' | 121°38' | 3    | 28N  | 9E    | SC                 | NORTH PUGET                  |
| PARADISE PARK           | 21C35S   | 5500  | 46°50' | 121°43' | 13   | 15N  | 8E    | S,P,T              | COWLITZ AND LEWIS            |

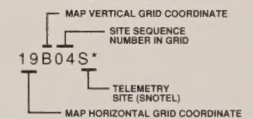
| SITE NAME            | SITE NO. | ELEV. | LAT.   | LONG.   | SEC. | TWP. | RANGE | SITE CONFIGURATION | BASIN                |
|----------------------|----------|-------|--------|---------|------|------|-------|--------------------|----------------------|
| PARK CREEK RIDGE     | 20A12S   | 4600  | 48°27' | 120°52' | 18   | 34N  | 16E   | SC,S,P,T           | CHELAN AND WENATCHEE |
| PIGTAIL PEAK         | 21C33S   | 5900  | 46°37' | 121°25' | 11   | 13N  | 11E   | SC,S,P,T           | COWLITZ AND LEWIS    |
| POPE RIDGE           | 20B20S   | 3540  | 47°59' | 120°32' | 22   | 29N  | 18E   | S,P,T              | CHELAN AND WENATCHEE |
| POTATO HILL          | 21C14S   | 4500  | 46°21' | 121°30' | 36   | 10N  | 10E   | SC,S,P,T           | COWLITZ AND LEWIS    |
| QUARTZ PEAK          | 17B03S   | 4730  | 47°53' | 117°05' | 34   | 28N  | 45E   | S,P,T              | SPOKANE RIVER        |
| RAGGED RIDGE         | 17B02    | 3330  | 47°46' | 117°05' | 12   | 27N  | 45E   | SC                 | SPOKANE RIVER        |
| RAINY PASS           | 20A09S   | 4780  | 48°33' | 120°43' | 21   | 35N  | 17E   | SC,S,P,T           | NORTH PUGET          |
| ROCKY CREEK          | 21A12    | 2100  | 48°43' | 121°47' | 20   | 37N  | 8E    | SC                 | NORTH PUGET          |
| RUSTY CREEK          | 19A03    | 4000  | 48°32' | 119°52' | 18   | 35N  | 24E   | SC                 | METHOW AND OKANOGAN  |
| SASSE RIDGE          | 21B51S   | 4200  | 47°21' | 121°05' | 22   | 22N  | 14E   | S                  | YAKIMA RIVER         |
| SF THUNDER CREEK     | 21A14    | 2200  | 48°35' | 121°37' | 20   | 36N  | 9E    | SC                 | NORTH PUGET          |
| SALMON MEADOWS       | 19A02S   | 4500  | 48°40' | 119°50' | 33   | 37N  | 24E   | S,P,T              | METHOW AND OKANOGAN  |
| SATUS PASS           | 20D01    | 4030  | 45°58' | 120°45' | 21   | 6N   | 17E   | SC                 | YAKIMA RIVER         |
| SCHREIBERS MEADOW    | 21A10    | 3400  | 48°44' | 121°50' | 18   | 37N  | 8E    | SC                 | NORTH PUGET          |
| SHEEP CANYON         | 22C10S   | 4050  | 46°11' | 122°15' | 12   | 8N   | 4E    | S,P,T              | COWLITZ AND LEWIS    |
| SPENCER MEADOW       | 21C20S   | 3400  | 46°08' | 121°55' | 16   | 8N   | 7E    | SC,S,P,T           | COWLITZ AND LEWIS    |
| SPIRIT LAKE          | 22C12S   | 3100  | 46°16' | 122°09' | 10   | 9N   | 5E    | S,P,T              | COWLITZ AND LEWIS    |
| STAMPEDE PASS        | 21B10S   | 3860  | 47°17' | 121°20' | 25   | 21N  | 11E   | S,P,T              | CEDAR AND GREEN      |
| STEMILT SLIDE        | 20B06    | 5000  | 47°17' | 120°23' | 30   | 21N  | 20E   | SC                 | CHELAN AND WENATCHEE |
| STEVENS PASS         | 21B01S   | 4070  | 47°44' | 121°04' | 14   | 26N  | 13E   | S,P,T              | CHELAN AND WENATCHEE |
| STEVENS PASS SAND SD | 21B45    | 3700  | 47°43' | 121°02' | 12   | 26N  | 13E   | SC                 | CHELAN AND WENATCHEE |
| STICKNEY RIDGE       | 21B58    | 3640  | 47°56' | 121°38' | 14   | 28N  | 9E    | SC                 | NORTH PUGET          |
| STRANGER MTN.        | 17A05    | 4230  | 48°10' | 117°58' | 25   | 31N  | 38E   | SC                 | COLVILLE AND KETTLE  |
| SUMMIT G.S. # 2      | 18A16    | 4600  | 48°54' | 118°24' | 20   | 39N  | 35E   | SC                 | COLVILLE AND KETTLE  |
| SUMMIT TRAIL         | 18A13    | 3840  | 48°15' | 118°32' | 27   | 32N  | 34E   | SC                 | COLVILLE AND KETTLE  |
| SURPRISE LAKES       | 21C13S   | 4250  | 46°06' | 121°45' | 14   | 7N   | 8E    | SC,S,P,T           | COWLITZ AND LEWIS    |
| THUNDER BASIN        | 20A07    | 4200  | 48°31' | 120°59' | 10   | 35N  | 14E   | SC,S,P,T           | NORTH PUGET          |
| TOGO                 | 18A10    | 3370  | 48°03' | 118°05' | 6    | 29N  | 38E   | SC                 | COLVILLE AND KETTLE  |
| TOUCHET # 2          | 17C05S   | 5530  | 46°07' | 117°54' | 6    | 7N   | 40E   | S,P,T              | WALLA WALLA          |
| TROUGH # 2           | 20B25S   | 5310  | 47°14' | 120°17' | 10   | 20N  | 20E   | S,P,T              | CHELAN AND WENATCHEE |
| TUNNEL AVENUE        | 21B08    | 2450  | 47°19' | 121°21' | 13   | 21N  | 11E   | SC                 | YAKIMA RIVER         |
| TWIN CAMP            | 21B30    | 4100  | 47°08' | 121°26' | 18   | 19N  | 11E   | SC                 | CEDAR AND GREEN      |
| TWIN LAKES           | 18A11    | 2700  | 48°17' | 118°25' | 9    | 32N  | 35E   | SC                 | COLVILLE AND KETTLE  |
| UPPER WHEELER        | 20B07S   | 4400  | 47°17' | 120°22' | 30   | 21N  | 20E   | SC,S,P,T           | CHELAN AND WENATCHEE |
| VAN EPPS PASS        | 20B26    | 5900  | 47°29' | 120°58' | 15   | 23N  | 15E   | SC                 | YAKIMA RIVER         |
| WATSON LAKES         | 21A08    | 4500  | 48°41' | 121°33' | 25   | 37N  | 9E    | SC                 | NORTH PUGET          |
| WHITE PASS E.S.      | 21C28S   | 4500  | 46°38' | 121°24' | 2    | 13N  | 11E   | SC,S,P,T           | YAKIMA RIVER         |

## LEGEND

## SITE CONFIGURATION

S C = SNOW COURSE  
S = SNOW PILLOW  
P = PRECIPITATION  
T = TEMPERATURE  
W = WIND

## SITE NUMBER



**\*NOTE:** Sometimes Snow Course data sites and SNOTEL, telemetry sites are colocated and have the same SITE NAME. Such sites are identified as follows:

The last (6th) character of the SITE NO. is an "S"

and parameters under the "SITE CONFIGURATION" heading include both "S" (for SNOW PILLOW) and "SC" (for SNOW COURSE).

In such instances, the first 5 characters of the "SITE NO." identify the Snow Course. All 6 characters (including the suffix "S") identify the SNOTEL "SITE NO."



